○Achievements

Recruitment of young researchers with international research outcomes and leading international excellence project founders

1) Recruitment of young researchers with international research outcomes（KGRI Project Members Introduction page）
   【Fiscal Years 2021～2023】
   ・Overview: KGRI has established a scheme to foster internationally active young researchers and welcome outstanding young researchers from Japan and abroad. To support the activities of the three-year project "Research Project Keio 2040" launched in FY2021, KGRI appointed project based researchers with international research outcomes.
   ・Achievements :（English）　https://www.kgri.keio.ac.jp/en/project-assistant-professor/yr-index.html
   　　　　　　　　　　　（Japanese）　https://www.kgri.keio.ac.jp/project-assistant-professor/yr-index.html

   Recruitment of a project professor to found a leading international excellence project

   【Fiscal Year 2023】
   In order to become an internationally outstanding research university, a project professor was appointed to lead a leading international excellence project in FY2023. He played a central role in preparing the application for the "Program for Forming Japan's Peak Research Universities (J-PEAKS)," a grant from the Ministry of Education, Culture, Sports, Science and Technology (MEXT). As a result, Keio University has been selected for J-PEAKS.
1)
   https://www.keio.ac.jp/ja/news/2023/12/26/27-155703/(Japanese only)

Keio University (Function to be enhanced: 1. Developing academic excellence in a specific area, 2. Creating innovation for global issues and social change)
Partner University (with grants): **Okinawa Institute of Science and Technology (OIST)**
Participating institutions (with no grants): **King's College London, University of Cologne, Yonsei University, Northwestern University**

Summary

Process for Developing into a
"Research University That Forges the Common Sense of the Future"

1. Cultivate fertile ground (foundational system) that allows interdisciplinary research to sprout and grow, with WPI and COI-NEXT leading as the center
2. Construct a framework to support interdisciplinary research, problem solving, and social implementation
3. Collaborate with OIST for international expansion and interdisciplinary development

- Societal Implementation of studies
- Realization of "research ecosystem"

Implement-ation

- Development of research centers
- Creation of new research centers
- Integration between these centers

- Centers with distinctive characteristics (WPI, COI-NEXT, etc.)
- Diverse cohort of researchers

Society

10 years

5 years

Feed-back

Present

Ground (system) that becomes enriched through this project, serving as the foundation to sprout and grow the centers

KGRI — Office for Research Coordination and Administration
· Research Showcase
· Research Development
· Ideation & Activation

Keio University — Office of Innovation and Entrepreneurship
· Research Commercialization

CRIK Shinanomachi

Yagami Innovation Lab

Ground (system)

14 graduate schools and 10 faculties

Program for Forming Japan's Peak Research Universities (J-PEAKS)

2)（Overview of Keio University's J-PEAKS Project）

3) Activities linked to the J-PEAKS project, and development of the system
【Fiscal Year 2023】
In FY2023, KGRI continued to employ a project professor who was appointed as a founding member of the Project for International Excellence and Leadership. In addition, KGRI hired new specially appointed faculty members and specialists for the "Keio Global Research Development Project" and "J-PEAKS Project," mainly led by the project professor. At the same time, KGRI has been strengthening its internal structure by recruiting personnel who will be hired in FY2025 and beyond.

Recruitment of Top-Class Researchers

【～Fiscal Year 2022】
Overview: Professor David J. Farber, a highly respected American national in the field of Cybersecurity, was appointed as on a special Foreign Researcher Fellowship from May 1st, 2018, to March 31st, 2023. He is currently working as the co-director of the Cyber Civilization Research Center, a KGRI research project, and is promoting initiatives involving the entire university.
*Prof. Farber (Distinguished Professor, Keio University) has provided significant contributions to the advancement of science by laying the groundwork in the fields of electronics, programming languages, and distributed computing through his more than 50 years of research activities. As a result of these brilliant achievements recognized and admired by many scientists in the field of information, computing and communication, he received the prestigious title of Fellow of the American Association for the Advancement of Science (World's largest academic organization, AAAS).（Investiture ceremony on February 16th, 2019)

(Japanese only)

・Achievements（Extract）:
English）
http://www.kgri.keio.ac.jp/en/research-synergies/talk-4-1.html
http://www.kgri.keio.ac.jp/en/research-synergies/talk-4-2.html
http://www.kgri.keio.ac.jp/en/research-synergies/talk-4-3.html
http://www.kgri.keio.ac.jp/en/research-synergies/talk-4-4.html
Japanese）
http://www.kgri.keio.ac.jp/research-synergies/talk-4-1.html
http://www.kgri.keio.ac.jp/research-synergies/talk-4-2.html
http://www.kgri.keio.ac.jp/research-synergies/talk-4-3.html
http://www.kgri.keio.ac.jp/research-synergies/talk-4-4.html

Implementation of archived lecture series
【～Fiscal Year 2023】
・Overview: In order to enhance the international research capabilities and presence of Keio University, KGRI invites world-renowned researchers in cutting-edge fields to give lectures, and subsequently release videos of their lectures on its website. Thus, these lectures are not limited to the time they are given, but widely disseminated both domestically and internationally via the Internet.

KGRI Lecture Series: Lectures by cross-appointed researchers from top world-class universities and research institutions

KGRI Great Thinker Series: Lectures by researchers with outstanding international achievements invited from abroad

KGRI Virtual Seminar Series: Online lectures held in Japan and overseas

Achievements：KGRI Lecture Series
English） http://www.kgri.keio.ac.jp/en/lecture-series/index.html
Japanese） http://www.kgri.keio.ac.jp/lecture-series/index.html

① KGRI Lecture Series: Seminar on ALS

Date and time: Tuesday, May 30, 2023. 15:00-17:30
Venue: Center for Integrated Medical Research Building 1st Floor Lounge, Shinanomachi Campus
Title and lecturer:
1）"Mechanism of therapeutic action of ropinirole in spinal motor neurons derived from ALS Patients"

Satoru Morimoto, MD, Ph.D.

Project Assistant Professor, Department of Physiology, Keio University School of Medicine
2）"FMRP axonal retrograde transport is critical for its clearance and regulation of translational activity"

Marco Terenzio, Ph.D.

Assistant Professor, Okinawa Institute of Science and Technology Graduate University

3）"Designer DNA drug therapy for neurodegenerative disease"
Don W. Cleveland, Ph.D.
Professor and Chair, Department of Cellular and Molecular Medicine,
University of California at San Diego（CA, USA）

② "Intellectual Property Law Seminar Series: Patent Systems and Patent Offices - Tasks and Incentives"
Date and time: Thursday, December 12, 2023. 18:15-20:00
Venue: East Research Building 6th Floor G-Lab, Mita Campus
Lecturer: Prof. Dr. jur. Christoph Ann, LL. M（TUM School of Management, Chair for Intellectual Property, Distinguished Guest Professor, Keio University［Global］）

Achievements：KGRI Great Thinker Series
English）http://www.kgri.keio.ac.jp/en/great-thinker-series/index.html
Japanese）http://www.kgri.keio.ac.jp/great-thinker-series/index.html

"The En-ROADS Climate Workshop "
Lecturer: Prof. John D. Sterman（Director of the MIT System Dynamics Group and the Sustainability Initiative at MIT Sloan School of Management, Cambridge, MA, USA）
Date and time: Tuesday, January 23, 2024. 14:00-16:00
Venue: East Research Building 8th Floor Hall, Mita Campus
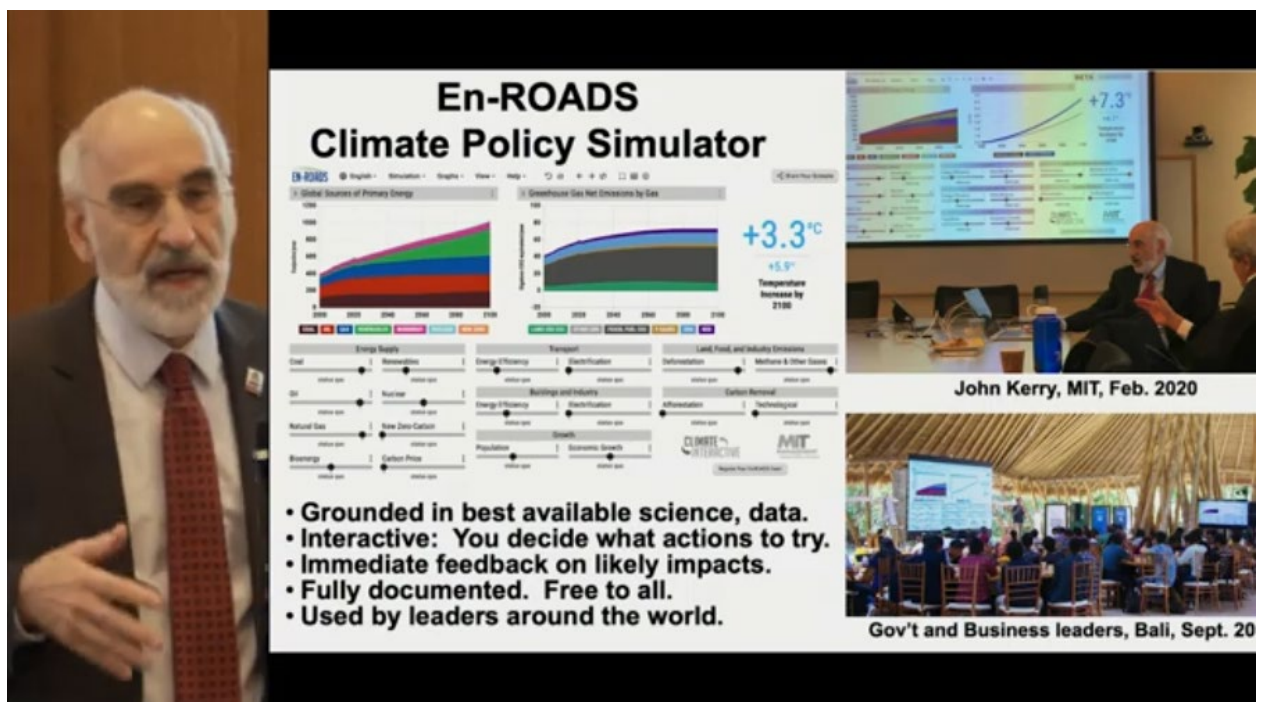
（Prof. Sterman, Director of the MIT System Dynamics Group and the MIT Sloan Sustainability Initiative）

Achievements：KGRI Virtual Seminar Series（On-demand）

      English）　https://www.kgri.keio.ac.jp/en/virtual-seminar-series/index.html

      Japanese）　https://www.kgri.keio.ac.jp/virtual-seminar-series/index.html

①   Data and Security as the U.S. and China Face Off Organizer: The Wall Street Journal

    Date and time: Wednesday, May 10, 2023. 18:30-19:30 Online

    Moderator: Peter Landers (Tokyo Bureau Chief, The Wall Street Journal)

    Panelists: Karen Makishima (Member of the Japanese House of Representatives),

          Josh Chin (Deputy Bureau Chief, China, The Wall Street Journal),

          Jiro Kokuryo (Professor, Faculty of Policy Management)

（Online seminar jointly held by the Wall Street Journal and KGRI）

Building a track record as an outstanding international research university

Overview：

Aiming to become a world-class research university: Keio University will strategically promote international and interdisciplinary research to enhance its citation and reputation with the aim of becoming an internationally outstanding research university. From FY2023, as a new mission of KGRI, a "Research Showcase" has been launched to grasp and disseminate the "research content and appealing point" of all researchers at Keio University. Specifically, "Hidden Jewels" were nominated by the deans of undergraduate faculties and chairs of the graduate schools to be the core researchers who promote cross-disciplinary and international research, and their research was introduced to Keio University and the world through video clips as follows. The Hidden Jewels project, which introduces their research in a video both inside and outside Keio University, was implemented as follows.

Achievements：Hidden Jewels Session

【Fiscal Year 2023】

1st Edition）

  Date and time: Tuesday, February 6, 2024. 16:00-18:00

  Venue: East Annex 9th Floor Conference room, Mita Campus

  Research Presentation: What is the point in studying mice brains to know about human brains?

        "Bi-directional Translational Research on Brains"

        Prof. Kenji Tanaka（Division of Brain Sciences, Institute for Advanced Medical Research, School of Medicine）

  Salon Talk and Q&A:

        Prof. Kenji Tanaka （Division of Brain Sciences, Institute for Advanced Medical Research, School of Medicine）

        Prof. Tatsuhiko Yamamoto (KGRI Research Promotion Lead, Graduate School of Law, KGRI Deputy Director)

        Prof. Junichi Ushiba (KGRI Research Promotion Lead, Department of Biosciences and Informatics, Faculty of Science and Technology)

        Prof. Takeharu Okubo (KGRI Research Promotion Lead, Department of Political Science, Faculty of Law)

（Salon talk with Prof. Kenji Tanaka of the School of Medicine and 3 KGRI Research Promotion Leads）

2nd Edition）

  Date and time: Wednesday, February 21, 2024. 10:00-12:00

  Venue: East Annex 9th Floor Conference room, Mita Campus

Research Presentation: "Why is the Palestinian-Israeli Conflict Not Ending?: Deciphering the Background to the Prolonged Conflict in the Middle East."

Prof. Aiko Nishikida (Department of Political Science, Faculty of Law)
    Salon Talk and Q&A:
        Prof. Aiko Nishikida (Department of Political Science, Faculty of Law)
        Prof. Tatsuhiko Yamamoto (KGRI Research Promotion Lead, Graduate School of Law, KGRI Deputy Director)
        Prof. Takeharu Okubo (KGRI Research Promotion Lead, Department of Political Science, Faculty of Law)

    Research Presentation: "Is Economics Useful in the Policy Field? State of the Use of Economic Analysis in Competition Policy"
        Prof. Kensuke Kubo (Associate Professor, Faculty of Business and Commerce)
    Salon Talk and Q&A:
        Prof. Kensuke Kubo (Associate Professor, Faculty of Business and Commerce)
        Prof. Tatsuhiko Yamamoto (KGRI Research Promotion Lead, Graduate School of Law, KGRI Deputy Director)
        Prof. Takeharu Okubo (KGRI Research Promotion Lead, Department of Political Science, Faculty of Law)

（Salon talk with Prof. Aiko Nishikida of the Faculty of Law and 2 KGRI Research Promotion Leads）

【Fiscal Year 2024】

From FY2023, as a new mission of KGRI, a "Research Showcase" has been launched to grasp and disseminate the "research content and appealing point" of all researchers at Keio University. Specifically, "Hidden Jewels" were nominated by the deans of undergraduate faculties and chairs of the graduate schools to be the core researchers who promote cross-disciplinary and international research, and their research was introduced to Keio University and the world through video clips as

follows. The Hidden Jewels project, which introduces their research in a video both inside and outside Keio University, was implemented as follows. In March, we held "Toward Social Implementation of Academic Research," which was positioned as the FY2024 Hidden Jewels summary session, and invited speakers from outside Keio University to discuss the necessity of "humanities" research and what the Research Showcase should aim for.

1st Edition)

Date and time	Wednesday, May 1, 2024. 18:00-20:30
Venue	Faculty Club, North Building 1st Floor, Mita Campus
Research Presentation (20 min. each)	①Societal Challenges of the Future With the Viewpoint of Science Fiction 　Hirotaka Osawa（Associate Professor, Department of Industrial and Systems Engineering, Faculty of Science and Technology）
	②New Forms of Science and Technology Through Interdisciplinary Collaboration and Integration 　Koji Ioku,（Professor, Faculty of Economics）
Interdisciplinary Salon Talk (30 min. each)	After each presentation, a salon talk was held between the presenter and the following KGRI Research Promotions Leads ・Prof. Tatsuhiko Yamamoto (KGRI Research Promotion Lead, Graduate School of Law, KGRI Deputy Director) ・Prof. Junichi Ushiba (KGRI Research Promotion Lead, Department of Biosciences and Informatics, Faculty of Science and Technology) ・Prof. Takeharu Okubo (KGRI Research Promotion Lead, Department of Political Science, Faculty of Law)
Video Link (Japanese only)	https://www.kgri.keio.ac.jp/research-showcase/index.html#hidden-jewels

2nd Edition)

Date and time	Wednesday, June 5, 2024. 18:10-20:30
Venue	Faculty Club, North Building 1st Floor, Mita Campus
Research Presentation (20 min. each)	①The Medical Anthropology of Depression 　Junko Kitanaka（Professor, Faculty of Letters）
	②What Is "To Live?" A New Perspective on Studying Human Beings 　Masahiro Niitsuma,　（Associate Professor, Graduate School of System Design

	and Management）
Interdisciplinary Salon Talk （30 min. each）	After each presentation, a salon talk was held between the presenter and the following KGRI Research Promotions Leads ・Prof. Tatsuhiko Yamamoto (KGRI Research Promotion Lead, Graduate School of Law, KGRI Deputy Director) ・Prof. Junichi Ushiba (KGRI Research Promotion Lead, Department of Biosciences and Informatics, Faculty of Science and Technology) ・Prof. Takeharu Okubo (KGRI Research Promotion Lead, Department of Political Science, Faculty of Law)
Video Link (Japanese only)	https://www.kgri.keio.ac.jp/research-showcase/index.html#hidden-jewels

3rd Edition）

Date and time	Friday, June 21, 2024. 18:10-20:30
Venue	Banraisha Bar and Lounge, Faculty Club, South School Building 3rd Floor, Mita Campus
Research Presentation （各 20 分 20 min. each）	①The Potential of Business Administration—The Business Administration of Potential 　Shunpei Iwao (Associate Professor, Faculty of Business and Commerce)
	②Bridging the Gap Between Materials Science and AI 　Miho Hatanaka (Associate Professor, Faculty of Science and Technology)
Interdisciplinary Salon Talk （30 min. each）	After each presentation, a salon talk was held between the presenter and the following KGRI Research Promotions Leads ・Prof. Tatsuhiko Yamamoto (KGRI Research Promotion Lead, Graduate School of Law, KGRI Deputy Director) ・Prof. Junichi Ushiba (KGRI Research Promotion Lead, Department of Biosciences and Informatics, Faculty of Science and Technology) ・Prof. Takeharu Okubo (KGRI Research Promotion Lead, Department of Political Science, Faculty of Law)
Video Link (Japanese only)	https://www.kgri.keio.ac.jp/research-showcase/index.html#hidden-jewels

4th Edition)

Date and time	Thursday, July 25, 2024. 18:10-20:30
Venue	Faculty Club, North Building 1st Floor, Mita Campus
Research Presentation (20 min. each)	①「運動制御の心理学」（Japanese Only） 　Yoshihiro Itaguchi, Associate Professor, Faculty of Letters
	②「ヒトとロボットとをつなぐ技術」（Japanese Only） 　Takahiro Nozaki, Associate Professor, Department of System Design Engineering, Faculty of Science and Technology
Interdisciplinary Salon Talk (30 min. each)	After each presentation, a salon talk was held between the presenter and the following KGRI Research Promotions Leads ・Prof. Tatsuhiko Yamamoto (KGRI Research Promotion Lead, Graduate School of Law, KGRI Deputy Director) ・Prof. Junichi Ushiba (KGRI Research Promotion Lead, Department of Biosciences and Informatics, Faculty of Science and Technology) ・Prof. Takeharu Okubo (KGRI Research Promotion Lead, Department of Political Science, Faculty of Law) ・Prof. Junko Kitanaka (Salon Talk Host, Faculty of Letters) ・Prof. Satoko Tokunaga (Salon Talk Host, Faculty of Letters)
Video Link (Japanese only)	https://www.kgri.keio.ac.jp/research-showcase/index.html#hidden-jewels

5th Edition)

Date and time	Thursday, October 10, 2024. 18:10-20:30
Venue	Banraisha Bar and Lounge, Faculty Club, South School Building 3rd Floor, Mita Campus
Research Presentation (20 min. each)	①「オルタナティブデータから探る健康リスク」(Japanese only) 　Yoko Ibuka, Professor, Faculty of Economics
	②「自然なお産しか取り扱わない助産師が、なぜ助産学に工学的視点を取り入れるのか？〜周産期医療分野における現状と課題〜」(Japanese only) 　Yuki Kanazawa (Senior Assistant Professor, Faculty of Nursing and Medical Care)
Interdisciplinar	After each presentation, a salon talk was held between the presenter and the

y Salon Talk (30 min. each)	following KGRI Research Promotions Leads ・Prof. Tatsuhiko Yamamoto (KGRI Research Promotion Lead, Graduate School of Law, KGRI Deputy Director) ・Prof. Keigo Komamura (Faculty of Law, Salon Talk Host)
Event Report (Japanese only)	【開催報告】2024 年度 第 5 回 Research Showcase - Hidden Jewels Session Vol. 12 & 13（2024.10.10 開催）｜慶應義塾大学 グローバルリサーチインスティテュート

6th Edition）

Date and tine	Thursday, November 14, 2024. 18:10-20:30
Venue	Forum, 14th Building (Sosokan) 7th Floor, Yagami Campus
Research Presentation （20 min. each）	①「世界はどこにあるのか？」（Japanese only） 　Yasuhiro Arahata (Professor, Faculty of Letters)
	②「デジタルデータで挑む活版印刷術黎明期の活字研究」（Japanese only） 　Mari Agata (Professor, Faculty of Letters)
Interdisciplinary Salon Talk （30 min. each）	After each presentation, a salon talk was held between the presenter and the following KGRI Research Promotions Leads ・Prof. Tatsuhiko Yamamoto (KGRI Research Promotion Lead, Graduate School of Law, KGRI Deputy Director) ・Prof. Junichi Ushiba (KGRI Research Promotion Lead, Department of Biosciences and Informatics, Faculty of Science and Technology)
Event Report (Japanese only)	【開催報告】2024 年度 第 6 回 Research Showcase - Hidden Jewels Session Vol. 14 & 15（2024.11.14 開催）｜慶應義塾大学 グローバルリサーチインスティテュート

7th Edition）

Date and time	Wednesday, December 18, 2024. 18:10-20:30
Venue	Banraisha Bar and Lounge, Faculty Club, South School Building 3rd Floor, Mita Campus
Research Presentation （20 min. each）	①「消費者の商品選択プロセスの研究～文理融合の成果より～」（Japanese only） 　清水 聰 （商学部 教授）Akira Shimizu (Professor, Faculty of Business and Commerce)
	②「コンピューティングとパーソナライゼーションは何処へ行くのか？」

	(Japanese only) Tadashi Okoshi (Associate Professor, Faculty of Environment and Information Studies)
Interdisciplinary Salon Talk (30 min. each)	After each presentation, a salon talk was held between the presenter and the following KGRI Research Promotions Leads ・Prof. Tatsuhiko Yamamoto (KGRI Research Promotion Lead, Graduate School of Law, KGRI Deputy Director) ・Prof. Junichi Ushiba (KGRI Research Promotion Lead, Department of Biosciences and Informatics, Faculty of Science and Technology) ・Mr. Taro Magome (Dentsu Digital Inc.)
Video Link (Japanese only)	https://www.kgri.keio.ac.jp/research-showcase/index.html#hidden-jewels

"Toward Social Implementation of Academia"』 Hidden Jewels Session -Special Edition Vol.1-
This event was held jointly with the Hidden Jewels Session - Special Edition Vol. 1 and the Research Presentations of PRESTO and FOREST programs researchers and networking event

Date and time	Monday, March 3, 2025. 15:00-18:30
Venue	Faculty Club, North Building 1st Floor, Mita Campus
Salon Talk 1	Is "humanities" research necessary for society? Moderator: Prof. Tatsuhiko Yamamoto (Graduate School of Law, KGRI Deputy Director) Panelists ・Mr. Yukio Yoshimura［Director of Operations, Radio and Television Business Production Bureau, Dentsu Inc.］ ・Mr. Daisuke Tokushima ［Director, Digital Trust Promotion Division, NEC Corporation］ ・Mr. Jun Hori［Journalist］
Salon Talk 2	What Research Showcase aims to achieve Moderator: Ayumi Higuchi［KGRI Project Associate Professor (URA)］ Panelists ・Tatsuhiko Yamamoto［Prof. Tatsuhiko Yamamoto (Graduate School of Law, KGRI Deputy Director) ・Prof. Junichi Ushiba (Department of Biosciences and Informatics, Faculty of

	Science and Technology) ・Prof. Toru Yamaguchi［Faculty of Letters, Deputy General Manager, Research Collaboration Promotion Division］ Commentators ・Prof. Teruo Nakatsuma［Faculty of Economics, Director of KGRI］ ・Prof. Akira Shimizu［Faculty of Business and Commerce］
Video Link (Japanese only)	https://www.kgri.keio.ac.jp/research-showcase/special-contents/04.html

Various research presentations, information dissemination, and exchanges

Overview：

KGRI organizes events to disseminate the research findings of Keio University researchers and to promote exchange and create cross-disciplinary research among researchers within Keio University.

1）Working Paper

The purpose of this website is to provide the results of research conducted by KGRI staff and KGRI research project members before and after their formal publication in academic papers, books, etc., for use and discussion by researchers inside and outside the institute. Therefore, there are various types of publications, including those before and under peer review, and KGRI seeks to contribute to free academic discussion in a way that only a university-affiliated research institute can provide.

English）https://www.kgri.keio.ac.jp/en/working-paper/index.html
Japanese）https://www.kgri.keio.ac.jp/working-paper/index.html

Achievements：
【Fiscal Year 2023】

①Title:　　　　Joint Statement: "Toward a Wholesome Platform for Speech ver. 2.0 - Implementing Informational Health"

　Authors:　　　Fujio Toriumi（Professor, The Graduate School of Engineering, The University of Tokyo）

　　　　　　　　Tatsuhiko Yamamoto (Professor, Graduate School of Law /KGRI Deputy Director)

②Title: "Proposal of a Behavior Changing Digital Platform to Extend Healthy Life Expectancy toward 2040"

　Author:　Research Project Keio 2040, Healthy Life Expectancy Extension Team
(A digest version and a full-text version are currently available in Japanese. English versions will subsequently be released.)

③Title: "Comparative Law Research on the Personal Data Protection Law in Various Countries"

Authors: Editor's Representative Tatsuhiko Yamamoto (Professor, Graduate School of Law /KGRI Deputy Director)

Editor Kyoichi Iida （Researcher, Graduate School of Law, Attorney-at-Law）

Editor Taiki Sato （L.L.D. Candidate, Graduate School of Law）

④Title: "Digital Transformation (DX) of Medicine and Health"

Co-Editors: Jun Murai（Professor, Keio University, Cyber Civilization Research Center Co-Director）

Masahito Kawamori（Project Professor, Graduate School of Media and Governance）

Ryutaro Yamamoto（Senior Researcher, SFC Research Institute）

Hitomi Sano（Researcher, Graduate School of Media and Governance, Member of the Cyber Civilization Research Center）
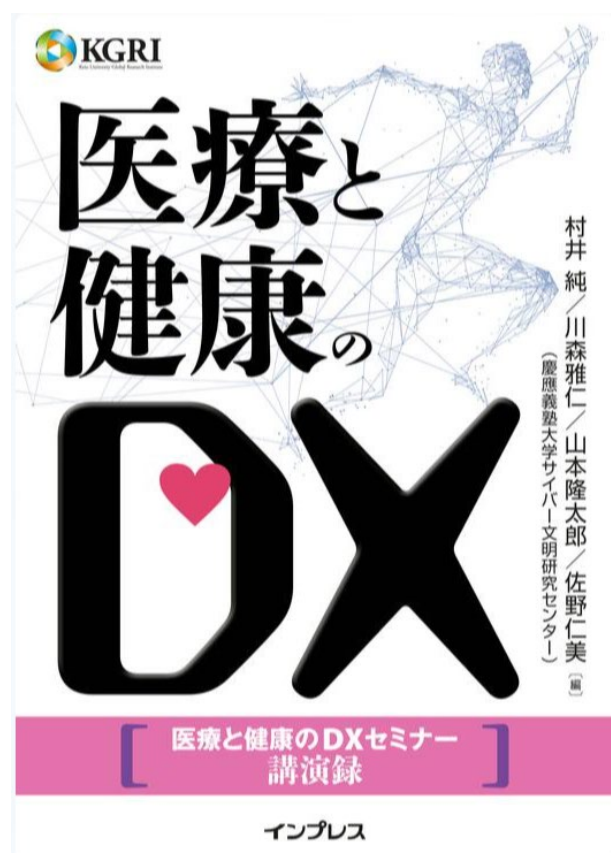
⑤Title: "Comparative Law Research on the Personal Data Protection Law in Various Countries

(Version 2.0)" * Provisional translation (full version will subsequently be released)

Authors: Editor's Representative Tatsuhiko Yamamoto (Professor, Graduate School of Law /KGRI Deputy Director)

Editor Kyoichi Iida（Researcher, Graduate School of Law, Attorney-at-Law）
Editor Taiki Sato　（L.L.D. Candidate, Graduate School of Law）

【Fiscal Year 2024】
①Title： Japan Beyond Asia: How the Middle East could be integrated into the Indo-Pacific Geostrategy
　　Author： Amane Kobayashi

②Title： Conditions for Peace: Conflict Resolution by Diplomacy and Coercive Measures
　　Author： Yoshiyuki Sagara

③Title： Calibrating Social Theories of Digital Technology based on Japan's COVID-19 Response: Surveillance Capitalism and Cyber Civilization
　　Author：Harald Kümmerle

④Title： Joint Statement:"Toward a Wholesome Platform for Speech: Implementing Information Health"（ver 2.1）
　　Authors：Fujio Toriumi and Tatsuhiko Yamamoto

⑤Title： Proposal for a Behavioral Transformative Digital Platform for Extending Healthy Life Expectancy Aimed at 2040（English Version）
　　Author：The Extending Healthy Life Expectancy Project Team, 2040 Aging Society Innovation Center

2） Research Results Presentations and Researchers Networking Events

KGRI's mission is to support the fusion of fusing humanities and sciences, interdisciplinary, and cross-disciplinary research on a cross-departmental basis. To this end, KGRI holds research results presentations and researchers networking events.

Achievements：
【Fiscal Year 2023】
1st Edition）
Focusing on the activities of the newly established projects in FY2022, six project representatives presented the results and took part in a Q&A session.

Date and time	Friday, July 28, 2023. 17:00-20:00
Venue	Faculty Club, North Building 1st Floor, Mita Campus

< Part 1 - Research Results Presentations >	6 Research Results Presentations: Yuichi Hosoya (Professor, Faculty of Law), Keigo Komamura (Professor, Faculty of Law), Yuko Oguma（Professor, Sports Medicine Research Center), Rodney Van Meter (Professor, Faculty of Environment and Information Studies), Yasue Mitsukura (Professor, Faculty of Science and Technology), Yuko Kimijima (Professor, Faculty of Law)
＜ Part 2 - Researchers Networking Events＞	Introduction of recipients of KGRI's original research grants (*), Start-up Research Grants and Pre-Start-up Research Grants, and discussion
Event Report	Japanese） https://www.kgri.keio.ac.jp/news-event/151510.html

＊About KGRI's original research grants ：https://www.kgri.keio.ac.jp/project-assistant-professor/kgri-index.html

2nd Edition）

The results of the Research Project Keio 2040, now in its final year, were presented followed by a Q&A session.

Date and time	Friday, November 10, 2023. 18:30-21:10
Venue	Hall and Conference Room 2, North Building 1st Floor, Mita

＜ Part 1 - Research Results Presentations＞	【Research Project Keio 2040】 Masato Yasui Research Project Keio 2040 General Manager （Professor, School of Medicine） ＜Longevity＞Extending Healthy Life Expectancy Project: Establishment of the "KGRI role model for a healthy society with longevity" 　　Masato Yasui Professor, School of Medicine / Project Leader, Yasuhiro Kato KGRI Project Lecturer, Masako Toriya KGRI Project Professor 　＜Security＞Platforms and the "2040 Problem": Formation of a new Network space order 　　Tatsuhiko Yamamoto Professor, Graduate School of Law / KGRI Deputy Director / Project Leader 　　Haluna Kawashima Associate Professor, Tohoku Fukushi University (Former KGRI Project Associate Professor) 　＜Creativity＞Revolutionary & Interdisciplinary Soft Matter Integration Project 　　Kenji Yasuoka Faculty of Science and Technology Professor/ Project Leader, Makoto Asai KGRI　Project Professor, Brian Sumali KGRI Project Lecturer
＜ Part 2＞ - Researchers Networking Event	Discussion between Research Project Keio 2040 results presenters and KGRI members on the present and future of KGRI
Event Report	Japanese）　https://www.kgri.keio.ac.jp/news-event/160498.html

（Research presentation by Research Project Keio 2040 team ）

3rd Edition

Research presentations were given by recipients of KGRI's original research grants, start-up research grants, and pre-start-up research grants. Each presentation was video-taped and made available on the KGRI website.

Date and time	Friday, March 29, 2024. 16:30-19:30
Venue	Hall and Faculty Club, North Building 1st Floor, Mita
< Part 1 >- Research Results Presentations	Presentation of research results by start-up research grant recipients
< Part 2 >- Researchers Networking Event	Poster session by pre-startup grant recipients (flash talk introducing their research for about 2 minutes per person) and networking session
Presentation Video (Japanese only)	https://www.kgri.keio.ac.jp/research-showcase/index.html#kgri

＊Details of recipients and presentation videos

No.	Research and Video Themes	Presenters
1	Digest of Cross-disciplinary Research Exchange Meeting	Digest of all presentations
2	"Embodied and Social-emotional Learning in Early Education and Development: If culture is all around us, what is our approach?" (Presentation in English)	Akiko Hayashi (Associate Professor, Faculty of Business and Commerce)
3	"Interdisciplinary Approach to Understand the Actual Situation of Long COVID and Create Treatment Strategies" (Presentation in English)	Ho Namkoong (Senior Assistant Professor, Department of Infectious Diseases, School of Medicine)
4	"Elucidation and Representation of Various Grid Illusions by Psychological and Mathematical Approaches" (Presentation in English)	Masaki Mori (Senior Assistant Professor, Faculty of Environment and Information Studies)
5	"Pre-Investigation for Femtech Development: Assessing the Current State of the Industry and Identifying Gaps to Uncover Undiscovered Areas"	Ai Hasegawa（Associate Professor, Department of Mechanical Engineering , Faculty of Science and Technology）
6	"Significance of IGRA test for diagnosis and treatment of latent tuberculosis in dialysis patients based on the prevalence of tuberculosis"	Ayumi Yoshifuji（Senior Assistant Professor, Department of Infectious Diseases, School of Medicine)
7	～Cultural Social Welfare Service Design for the Aging Society～ "Cultural Social Welfare Service Design for the Aging Society"	Chihiro Sato（Senior Assistant Professor, Graduate School of Media Design）
8	"Investigation of psychological processes in problem solving situations through interaction with AI"	Sayaka Suga（Associate Professor, Department of Human Sciences, Faculty of Letters)

9	"Neural Mechanisms of Drummer's Dystonia"	Shinya Fujii（Associate Professor, Faculty of Environment and Information Studies）
10	"Connection of cognitive dysfunction and autonomous diffusion of single molecules"	Sumihiro Maeda（Lecturer, School of Medicine（Non-tenured））
11	"Optimization of Shape for Improving the Acoustic Stabilization of Auricular Prosthesis incorporate with Cartilage Conduction Hearing Aid"	Takanori Nishiyama（Senior Assistant Professor, Department of Otorhinolaryngology, School of Medicine）
12	"Construction of a POCT-type immuno-prediction system that contributes to optimal self-determination of COVID-19 booster vaccination."	Yoshifumi Uwamino（Senior Assistant Professor, Department of Clinical Laboratory Medicine, School of Medicine）
13	"Subtypes of Frailty and Sarcopenia and Their Trajectory Changes in Community-dwelling Older adults in Three Countries"	Yusuke Osawa（Associate Professor, Graduate School of Health Management）

【Fiscal Year 2024】

1st Edition）

The main purpose of the meeting was to deepen research collaboration through free exchange of ideas and opinions among researchers. Videos of seminars and salon talks on Hidden Jewels and other topics produced by KGRI were projected at the venue, and participants' comments and opinions were solicited to enhance the publicity of the research.

Date and time	Friday, July 19, 2024. 17:00-19:30
Venue	Faculty Club, North Building 1st Floor, Mita
Researchers Networking Event	・Introduction of KGRI and explanation of KGRI Researchers Networking Event ・Exchange of views and opinions among researchers ・Projection of KGRI-produced video

（Opening remarks by Prof. Kimishima, Director of KGRI）

2nd Edition）

The KGRI Challenge Grant (which began operation in FY2024 and provides research assistance for up to two years after an interim review), KGRI's own research grant, was awarded to the winners, who presented their research results, underwent an interim review, and held a researchers networking event.

Date and time	Friday, November 29, 2024. 17:00-19:30
Venue	Faculty Club, North Building 1st Floor, Mita
＜Part 1＞ Research Results Presentations （Interim Review）	4 recipients of KGRI Challenge Grant in FY2024： Tomohisa Sujino (Assistant Professor, School of Medicine (Non-tenured), Yuta Sugiura（Associate Professor, Faculty of Science and Technology）, Koji Mineshima（Associate Professor, Faculty of Letters）, Yuki Kagoya (Professor, School of Medicine) ※In order of presentation
＜Part 2＞ Researchers Networking Event	Exchange among researchers in Keio University including KGRI Challenge Grant recipients in FY2024

（Presentation by KGRI Challenge Grant Recipients）

3rd Edition）
This event was held jointly with the Hidden Jewels Session - Special Edition Vol. 1 and the Research Presentations of PRESTO and FOREST programs researchers and networking event

Date and time	Monday, March 3, 2025. 15:00-18:30
Venue	Faculty Club, North Building 1st Floor, Mita
＜Part 1＞ Hidden Jewels Session -Special Edition Vol.1-	Salon Talk 1: Is "humanities" research necessary for society? Moderator: Prof. Tatsuhiko Yamamoto (Graduate School of Law, KGRI Deputy Director) Panelists ・Mr. Yukio Yoshimura (Director of Operations, Radio and Television Business Production Bureau, Dentsu Inc.) ・Mr. Daisuke Tokushima (Director, Digital Trust Promotion Division, NEC Corporation) ・Mr. Jun Hori (Journalist) Salon Talk 2: What Research Showcase aims to achieve Moderator: Ayumi Higuchi［KGRI Project Associate Professor (URA)］ Panelists ・Tatsuhiko Yamamoto［Prof. Tatsuhiko Yamamoto (Graduate School of Law, KGRI Deputy Director) ・Prof. Junichi Ushiba (Department of Biosciences and Informatics, Faculty of Science and Technology) ・Prof. Toru Yamaguchi［Faculty of Letters, Deputy General Manager, Research Collaboration Promotion Division］ Commentators ・Prof. Teruo Nakatsuma［Faculty of Economics, Director of KGRI］ ・Prof. Akira Shimizu［Faculty of Business and Commerce］
＜Part 2＞ Poster Session by PRESTO and FOREST programs researchers & Networking Event	・Poster Session Presenters (in order of presentation) Kohsuke Ohmatsu（Professor, Department of Chemistry, Faculty of Science and Technology）, Ho Namkoong（Senior Assistant Professor, School of Medicine）, Shuhei Nomura（KGRI Project Professor）, Shinya Fujii（Associate Professor, Faculty of Environment and Information Studies） ・Networking Event
（Japanese only）	https://www.kgri.keio.ac.jp/research-showcase/index.html#special-contents

（Part 1：Discussion at Salon Talk 2）

3）Research Presentations of PRESTO and FOREST programs researchers and networking event

KGRI holds research introduction and academic exchange meetings to provide opportunities for exchange and to promote collaboration among researchers at Keio University selected for the JST grant programs "PRESTO" and "FOREST.

Achievements：

【Fiscal Year 2023】

・Research Presentations and Networking Event

Date and time: Monday, March 11, 2024. 18:00-20:00

Venue: Faculty Club, North Building 1st Floor, Mita Campus

＊Each presentation was video recorded and made available on the KGRI website.

Japanese）https://www.kgri.keio.ac.jp/research-showcase/emergence.html

＊After this event KGRI established a community of "PRESTO" and "FOREST" researchers using "Slack".

No.	Research and Video Themes	Presenters
1	Digest of Research Presentations by PRESTO and FOREST programs researchers	Digest of all presentations
2	"Hierarchical elucidation of molecular behavior inside membraneless organelles" 【PRESTO】	Eiji Yamamoto（Associate Professor, Department of System Design Engineering, Faculty of Science and Technology）

3	"Clarification of the Carcinogenic Process using Non-Cancerous Lung Organoids and Its Application to Preemptive Medicine" 【FOREST】	Hiroyuki Yasuda（Associate Professor, Department of Internal Medicine (Pulmonary Medicine), School of Medicine）
4	"Fundamental Research to Build a Research System Resilient to Pandemics"【PRESTO】	Ho Namkoong（Senior Assistant Professor, Department of Infectious Diseases, School of Medicine）
5	"Developing Novel Kidney Disease Therapeutic Strategies Targeting Blood Cell DNA Methylation Alterations"【FOREST】	Kaori Hayashi（Professor, Department of Internal Medicine (Nephrology, Endocrinology and Metabolism), School of Medicine）
6	"The Design Principle of Life, an approach driven by the Biology of Creation"【FOREST】	Kei Fujiwara（Associate Professor, Biosciences and Informatics, Faculty of Science and Technology）
7	"Roles of the players of the immune system in brain development and function"【FOREST】	Keiko Morimoto（Assistant Professor, Department of Anatomy, School of Medicine）
8	"A New Relationship Between Environmental Exposure and Intestinal Bacteria Based on Chemical Modifications" 【FOREST】	Masahiro Akiyama（Project Lecturer, Pharmaceutical Sciences, Faculty of Pharmacy）
9	"Establishment of a Platform to Synthesize various analogs of known Antibiotics using Synthetic Biology Techniques"【FOREST】	Satoshi Yuzawa（Project Lecturer, Graduate School of Media and Governance）
10	"An Empirical Study on Disease Burden for Developing a New Health System"【PRESTO】	Shuhei Nomura（Project Associate Professor, Department of Health Policy and Management, School of Medicine）
11	"Multimodal Gas Sensing using Nanodevices"【PRESTO】	Takahisa Tanaka（Senior Assistant Professor, Department of Electrical and Information Engineering, Faculty of Science and Technology）
12	"Exploration of Drug Discovery Seeds Using Single-cell-level Spatiotemporal Analysis of Intractable Diseases of the Small Intestine"【FOREST】	Tomohisa Sujino（Senior Assistant Professor, Center for Diagnostic and Therapeutic Endoscopy, School of Medicine）

（Opening Remarks by President Itoh）
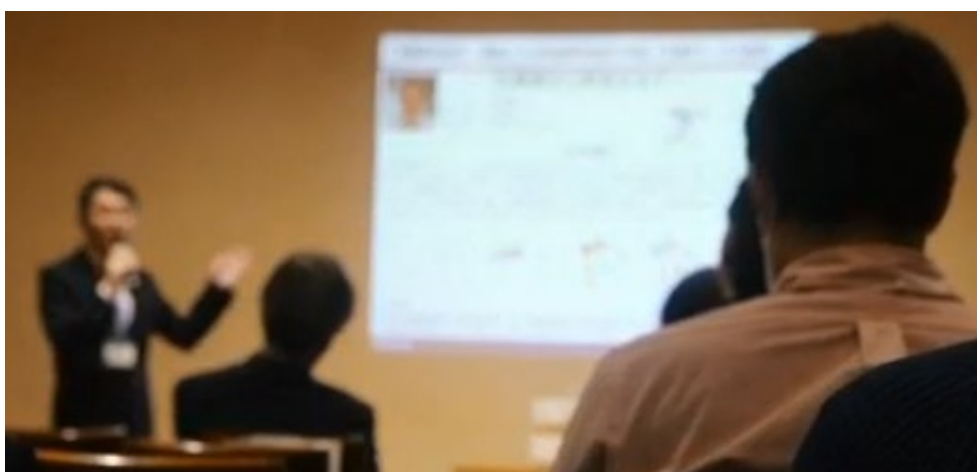
（Flash Talk by "PRESTO" and "FOREST" researchers）

【Fiscal Year 2024】
・Research Presentations and Networking Event
　Date and time： Monday, March 3, 2025. 15:00-18:30
　Venue: Faculty Club, North Building 1st Floor, Mita Campus
　＊Hidden Jewels Session - Special Edition Vol1 -Jointly held with the Research Results Presentation and Researchers Networking Event
・Presentation Videos

No.	Research and Video Themes	Presenters
1	オルソゴナル結合変換が拓く新しい合成化学（Japanese only）	Kohsuke Ohmatsu (Professor, Faculty of Science and Technology）
2	ネクストパンデミックにレジリエントな研究体	Ho Namkoong（Senior Assistant Professor, School of

	制構築 (Japanese only)	Medicine)
3	新しい保健システム構築のための実証的な疾病負荷研究 (Japanese only)	Shuhei Nomura（KGRI Project Professor）
4	多感覚グルーヴ感創発の機序解明と音楽芸術表現への応用 (Japanese only)	Shinya Fujii（Associate Professor, Faculty of Environment and Information Studies）
Video Link：https://www.kgri.keio.ac.jp/research-showcase/index.html#jst		

　（Presentations at the Poster Session）

4) Distribution of article information for top-level researchers to overseas

KGRI distributes information on articles by researchers at Keio University for the purpose of creating international research collaborations.

Achievements：

【Fiscal Year 2023】

Using the article distribution service of Clarivate, we distributed by e-mail the most frequently cited articles in the Web of Science database written by researchers affiliated with Keio University, especially those written by 18 researchers selected by KGRI in FY2023, to each of 1,000 prominent overseas researchers in the same research field. The following three criteria were taken into consideration: 1) inclusion of researchers whom Keio wishes to feature (Hidden Jewels nominees, PRESTO/FOREST recipients, startup/pre-startup research grant recipients, and participants in the November 2023 "OIST-KEIO Showcase Talk Series"), 2) inclusion of researchers in the humanities and social sciences and 3) gender balance. By doing so, it is expected that opportunities for international research collaboration will increase.

【Fiscal Year 2024】

In place of Clarivate's article distribution service, which had been in place until the previous fiscal year, KGRI distributed news releases of the article by Kazuya Ando, Associate Professor, School of Science and Engineering, as a news release through the services of services EurekAlert and AlphaGalileo.

5） Building Keio Research Showcase

KGRI is building an information dissemination portal utilizing the latest generative AI technology with the aim of improving Keio's citation and reputation, and expanding the strategic public relations infrastructure that contributes to the development of a research network. This will enable us to discover the appeal of the research of all researchers at Keio University and build a foundation for disseminating information to a wide range of stakeholders through a variety of media. In addition, in conjunction with the J-PEAKS project, we are developing a unique information platform that cannot be achieved by the J-PEAKS project alone.

Establishment of Research Showcase website linked to J-PEAKS project

KGRI has begun building the Keio Research Showcase website, which aggregates information on Keio's exceptional research and researchers and disseminates it domestically and internationally. From this website, users can view video content produced by the Hidden Jewels project and others, and search for information on researchers using the AI chatbot "Search it up, Yukichi-kun!", an AI chatbot, to search for researcher information. The website will also include a membership function that will allow members to bookmark their favorite videos and researchers on their My Page. The website is scheduled to be released in May 2025, and after its release, KGRI will continue to add attractive contents and expand information.

Generative AI system construction

KGRI is developing an infrastructure system to centrally manage researcher information and research information, and to summarize and disseminate the attractiveness of researchers' research summaries. In FY2024, the following development work was performed.

1) Organize IDs for each researcher necessary for database construction
2) Examination of information collection methods and system design
3) Creation of research outline using generated AI
4) Construction of a retrieval system for research and researcher information using AI

Special Contents Video Series Production

As part of the Research Showcase buildup, KGRI produced a series of Special Contents videos that take an in-depth look at research and researchers.

In July 2024, a talk event titled "Intersection of words, a sequence of learning" was held featuring singer, actress, and poet Ms. Yo Hitoto. The event featured a friendly talk with Junichi Ushiba, Professor at Faculty of Science and Engineering, and Tatsuhiko Yamamoto, Professor at the Law School and Deputy Director of KGRI, who have been close friends of Ms. Hitoto since her university days. A video digest of the event was produced and posted on the KGRI website as Special Contents Series Vol. 1. (https://www.kgri.keio.ac.jp/news-event/162550.html)

For Special Contents Series Vol. 2 and Vol. 3, we commissioned Mr. Jun Hori, a former NHK reporter, to produce human documentary-style videos featuring our humanities and sociology researchers (Prof. Toru Yamaguchi, Faculty of Letters, and Associate Prof. Miho Sasaki, Faculty of Commerce), and completed two of them in March 2025. (https://www.kgri.keio.ac.jp/research-showcase/index.html#special-contents) (Japanese only)

Promotion of International Research Collaboration

OIST-KEIO Showcase Talk Series
Overview ：Cooperation with Okinawa Institute of Science and Technology (OIST) began in 2020 with exchanges with the School of Medicine, and in August 2022, the two institutions signed a Basic Agreement on Scientific and Academic Cooperation for a university-wide collaboration. Currently, in addition to the School of Medicine, we continue to implement organized exchanges for the entire university. In November 2023, Keio University and OIST co-hosted a two-day Showcase Talk at OIST, with a total of 23 faculty members from the University, including the President and Executive Director for Research, participating on site.
OIST is primarily a graduate institute specializing in science and technology, but it aims to expand new areas of collaboration with Keio University, which has a School of Medicine and a School of Humanities and Social Sciences. In addition to collaboration with OIST's world-class cutting-edge research, Keio

University hopes to promote research collaboration and the internationalization of its human resources through collaboration with OIST, where English is the complete official language.

Achievements：
【Fiscal Year 2023】
"Science Meets Society: Exploring the Nexus of Planetary Well-being for a Sustainable Future"
【Organizers】Keio University and Okinawa Institute of Science and Technology
【Date and time】Thursday, November 16, 2023 - Friday, November 17, 2023
【Venue】Okinawa Institute of Science and Technology /Zoom (Hybrid)

       Japanese）https://www.kgri.keio.ac.jp/news-event/154770.html
       English）https://www.kgri.keio.ac.jp/en/news-event/154770.html

Keio-OIST　Research Showcase　Event　Participants
   Kohei Ito   President, Keio University
   Masayuki Amagai   Vice-President, Keio University
   Yuko Kimijima   Professor, Faculty of Law / KGRI Director
   Takanori Kanai   Dean, School of Medicine
   Toshiharu Saiki   Dean, Faculty of Science and Technology
   Yoko Hirose   Faculty of Policy Management
   As well as 11 researchers and 3 graduate students

Group photo of participants (Provided by OIST/[Micheal Cooper]（CC BY 4.0））

【Fiscal Year 2024】
OIST- KEIO Showcase Talk Series 6／YIL Pre-Event Science meets Society：From Symbiotics to

Enactive Minds

    Date and time： Wednesday, September 25, 2024 (All day)

    Form of the event： In-person/（On-campus only）Zoom

    Venue：Yagami Innovation Laboratory（YIL）

    Participation Fee： Free

【Panelists】

（OIST）

・Tom Froese, Associate Professor, Embodies Cognitive Science Unit

（Keio University）

・Toshiharu Saiki, Dean, Graduate School of Science and Technology

・Junichi Ushiba, Professor, Faculty of Science and Technology

・Yuki Imoto, Associate Professor, Faculty of Science and Technology

・Charu Datt, Senior Assistant Professor, Faculty of Science and Technology

・Eiko Matsuda, Senior Assistant Professor, Faculty of Science and Technology

    Japanese only） https://www.keio.ac.jp/ja/news/2024/10/10/27-162468/

OIST-KEIO Showcase Talk Series 7 "Science Meets Society: Frontiers in Interdisciplinary Approaches to Life Sciences"（2025.1.31）

    Date and time： Friday, January 31, 2025 (All day)

    Form of the event： In person/（On-campus only）Zoom

    Participation Fee： Free

    Language： English（No interpretation）

【Panelists】

（Keio University）

・Masayuki Amagai, Vice-President for Research／Professor, School of Medicine

・Koji Hase, General Manager, Office for Research Coordination and Administration／Professor, Faculty of Pharmacy

・Teruo Nakatsuma, Director of KGRI／Professor, Faculty of Economics

・Yoshihiro Itaguchi, Associate Professor, Faculty of Letters

・Hiroshi Makino, Professor, School of Medicine

・Kunimichi Suzuki, WPI-Bio2Q Jr. PI

・Mayumi Oda, Project Senior Assistant Professor, School of Medicine

・Michiyuki Kawakami, Associate Professor, School of Medicine

Japanese）https://www.oist.jp/ja/news-center/news/2025/2/28/oist-and-keio-university-host-showcase-event

English）https://www.oist.jp/news-center/news/2025/2/28/oist-and-keio-university-host-showcase-event

Young Researchers Fostering Program

Overview：

KGRI implements support measures that will lead to the creation of interdisciplinary cross-disciplinary research projects, with a focus on young researchers.

1) Support for research projects in the humanities, social sciences, and interdisciplinary fields
To strengthen support for projects in the humanities, social sciences, and interdisciplinary fields, which is one of KGRI's challenges, KGRI began to administer the KGRI Humanity and Social Science Grant (KGRI HSS Grant) on a pilot basis in FY2024 to support young researchers in the humanities and social sciences within the university.

Achievements：
【Fiscal Year 2024】
KGRI Humanities and Social Sciences Research Grant (KGRI HSS Grant) Recipients：

No.	Subject of Research	Research Promotor	Subsidy amount
1	時空間データに対するベイズ統計学的分析手法の開発と応用 (Japanese Only)	Shonosuke Sugasawa (Associate Professor, Faculty of Economics）	1.5 million yen
2	Development and validation of the interoception training application to reduce anxiety, depression, and pain.	Yuri Terasawa (Associate Professor, Faculty of Letters）	1.5 million yen
3	自然言語処理アプローチによるヒト意味構造の階層的ダイナミクスの解明 (Japanese Only)	Yoshihiro Itaguchi (Associate Professor, Faculty of Letters）	1.5 million yen
4	Embodied and Social-Emotional Learning in Early Education and Development: the conversation about "culture" and SEL continues to develop	Akiko Hayashi (Associate Professor, Faculty of Business and Commerce）	1.5 million yen
5	Cultural Local Resources Driven Social Welfare Design for the Aging Society	Chihiro Sato (Associate Professor, Graduate School of Media Design）	1.5 million yen

2) Research Promotion in Humanities and Social Sciences

Achievements：

【Fiscal Year 2024】

With the aim of launching a cross-disciplinary research project to solve social issues centered on researchers in the humanities and social sciences, KGRI commissioned an external academic incubator to conduct researcher research and a social needs survey, and formulated a draft research project plan.

※Affiliations and job titles are current at the time of the lecture or recording.