

# Japan-U.S. Research Collaboration Week

## - Creating Japan-US Research Highway -

### Date and time (PST):

July 20 (Thu) 8:30-11:00, 15:30-18:00

July 21 (Fri) 8:30-11:00, 15:30-18:00

July 22 (Sat) 9:30-17:30

July 24 (Mon) 8:30-11:00, 13:10-18:10

July 25 (Tue) 8:45-17:15

### Place:

Stanford University, Beckman Center, [Munzer Auditorium](#) (279 Campus Drive W, Stanford, CA 94305)

Stanford University, [Li Ka Shing Center For Learning \(LKSC\)](#) Room 120 (291 Campus Drive, Stanford, CA) \*Only for 7/22 (Sat)

### Co-Hosts:

Stanford University School of Medicine, Japan Science and Technology Agency (JST), Kanagawa Prefecture, Japan Agency for Medical Research and Development (AMED), Japan Society for the Promotion of Science (JSPS), Nagoya University, United Japanese Researchers Around the World (UJA)

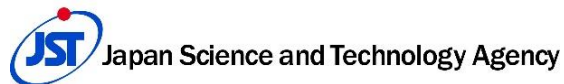
### Supporters:

Consulate-General of Japan in San Francisco, Japan External Trade Organization (JETRO)

[Register here!](#)

**\*We encourage you to register by June 30 (Fri)**

Co-Hosts



Supporters



JETRO

## [Agenda]

### **(20\_1) Plenary session: Advancing health through science, collaboration, and the “ME-BYO” concept**

---

Japan's population is aging at a faster rate than the rest of the world, leading to challenges such as increasing social security costs and a shrinking workforce. In response to this, Kanagawa Prefecture has defined “ME-BYO” as the state of the body and mind between health and illness. Over the past decade, Kanagawa Prefecture have been collaborating with Stanford University to actively pursue the creation of new industries that intervene in this state, aiming to achieve a healthier and higher quality of life. The funding agencies and research institutes gathered at this event are actively promoting Japan-US research collaboration to explore the boundless potential for disruptive innovation at the intersection of science and society. We will delve into how we can drive innovation in our society by bridging the gap between of science and industry, while fostering synergies throughout Japan-US collaboration.

**Date & Time:** July 20 (Thu) 8:30-11:00

**Venue:** Beckman Center, [Munzer Auditorium](#)

**Session organizers:** Stanford University School of Medicine & Kanagawa prefecture

**Presenters:**

- Toshihiko Nishimura, Stanford
- Yuji Kuroiwa, Governor, Kanagawa Prefecture
- Lloyd B. Minor, Dean, Stanford School of Medicine
- Yasushi Noguchi, Consul General of Japan in San Francisco
- Ronald Pearl, Professor, Anesthesiology, Perioperative and Pain Medicine, Stanford School of Medicine
- Ryuta Nomura, CEO, Central Institute for Experimental Animals (CIEA)
- Michiyo Yamaguchi, Vice President, Kyoto Prefectural University
- Paul D. Hodgson, Director, Vaccine and Infectious Disease Organization (VIDO), University of Saskatchewan
- Jeff Chen, Professor, College of Management / College of Medicine, National Taiwan University
- Ei Yamada, President & CEO, AnGes, Inc. / President of SAMURAI Biotech Association
- Yotetsu Hayashi, Chief Executive Director, Japan External Trade Organization (JETRO)
- Kazuyoshi Shimada, Director, Washington DC Office, Japan Science and Technology Agency (JST)
- Takuto Miyamoto, Director, Washington DC Office, Japan Agency for Medical Research and Development (AMED)
- Yusaku Nakabeppu, Director, Japan Society for the Promotion of Science (JSPS) San Francisco Office
- Phil Wickham, Founder and General Partner, Sozo Ventures

## (20\_2) Tracking our health trajectories

---

In order to ensure a healthy and high quality of life in our aging society, we strive for ultra-early disease prediction and intervention, surpassing today's conventional treatment approach that relies on the detection of symptoms.

To accomplish this, we require multi-layered approaches, including cutting-edge research and development of technologies, as well as creating the ME-BYO industry. By leveraging the gathering of stakeholders at Stanford, we will showcase the latest advancements in novel research activities. This will provide valuable opportunities for international, inter-sectoral, and inter-organizational collaborations, fostering a strong environment for innovative breakthroughs.

**Date & Time:** July 20 (Thu) 15:30-18:00

**Venue:** Beckman Center, [Munzer Auditorium](#)

**Session organizers:** Stanford University School of Medicine & Kanagawa prefecture

**Presenters:**

- Ung-il Chung, Executive Board Member, Vice President and Dean, School of Health Innovation, Kanagawa University of Human Services
- Euan Ashley, Associate Dean, Stanford School of Medicine
- Utkan Demirci, Professor of Radiology, Interim Division Chief and Director of the Canary Center, Stanford School of Medicine
- Gen Sobue, Chairperson, Aichi Medical University / Program Director, Moonshot R&D Program Goal 2 (Video message)
- Yoshiharu Matsuura, Director, Center for Infectious Diseases Education and Research (CiDER) / Specially Appointed Professor, Research Institute for Microbial Diseases, Osaka University
- Shusaku Hayashi, Assistant Professor, Institute of Natural Medicine, Toyama University
- Yasuo Ouchi, Assistant Professor, Department of Regenerative Medicine, Graduate School of Medicine, Chiba University / Senior Scientist, Altos Labs Inc, San Diego Institute of Science

## (21\_1) Transdisciplinary challenges for mental resilience

---

The social issues related to mental states have expanded and become increasingly severe, necessitating our attention and focus. How can we effectively address this situation? The key lies in developing a comprehensive understanding of mental states and promoting empathetic interpersonal and intergroup communication that guides us in a mutually beneficial direction. To achieve this, we seek transdisciplinary collaboration to understand and intervene in our society's mental states, including developing technology that provides peace of mind and vitality. To promote research collaboration, we will showcase cutting-edge activities in novel research development. Furthermore, we will explore expectations for the focus of future Japan-US collaborations.

**Date & Time:** July 21 (Fri) 8:30-11:00

**Venue:** Beckman Center, [Munzer Auditorium](#)

**Session organizers:** Stanford University School of Medicine & Kanagawa prefecture

**Presenters:**

- Ronald Pearl, Professor, Anesthesiology, Perioperative and Pain Medicine, Stanford School of Medicine
- Seiji Kumagai, Associate Professor, Institute for the Future of Human Society, Kyoto University / Program Director, Moonshot R&D Program Goal 9
- Steven Breckler, Program Director, National Science Foundation (via Zoom)
- Yasue Mitsukura, Professor, Faculty of Science and Technology, Keio University (via Zoom)
- Shinichi Tokuno, Professor, Graduate School of Health Innovation Kanagawa University of Human Services
- Victor G. Carrión, Vice Chair, Department of Psychiatry and Behavioral Sciences, Stanford School of Medicine
- James Gross, Professor, Psychology, Stanford School of Medicine / Director, Stanford Psychophysiology Laboratory

## (21\_2) How have we worked against COVID-19?

The COVID-19 pandemic claimed many victims and severely impacted an economics around the world. This crisis served as a stark reminder of society's vulnerability to infectious diseases. However, the crisis has been a chance for innovation. As scientists we confronted this situation, and we contributed to the transformation of society and science. In this reflection, we will look back at the collaborative efforts of academic institutions worldwide, outlining our collective fight against the pandemic and reflect on lesson learned from this crisis. We will also discuss ongoing initiatives and opportunities calling for international collaboration.

**Date & Time:** July 21 (Fri) 15:30-18:00

**Venue:** Beckman Center, [Munzer Auditorium](#)

**Session organizers:** Stanford University School of Medicine & Kanagawa prefecture

**Presenters:**

- Ronald Pearl, Professor, Anesthesiology, Perioperative and Pain Medicine, Stanford School of Medicine
- Steven L. Shafer, Emeritus Faculty-Med Ctr Line, Miscellaneous, Stanford School of Medicine
- Hiroyuki Katayama, Professor, Graduate School of Engineering, The University of Tokyo
- Hideki Ueno, Professor, Department of Immunology, Kyoto University / Director, Kyoto University Immunomonitoring Center (KIC)
- Ramasamy Paulmurugan, Professor, Radiology - Rad/Molecular Imaging Program. Stanford School of Medicine
- Tarik Massoud, Professor, Department of Radiology, Stanford School of Medicine
- Darryl Falzarano, Research Scientist, Vaccine and Infectious Disease Organization

(VIDO) / Adjunct Professor, Department of Veterinary Microbiology, University of Saskatchewan

- David Corman, Program Director, National Science Foundation

## **(22) Building networks of diverse and highly talented researchers**

---

In the pursuit of promoting sustainable international research collaborations, it is important to advance institutionalized efforts with a deep understanding of the realities faced by researchers going abroad and the circumstances of host institutions. With this in mind, JSPS has worked to strengthen the impact of its fellowship programs and other supportive mechanisms. This year, AMED and JST launched a new program called ASPIRE (Adopting Sustainable Partnerships for Innovative Research Ecosystem). This program is designed to facilitate international research collaborations, including the mobility and circulation of international talent with the ultimate goal of establishing long-term collaborative networks. In this one-day event, we aim to bring together students, researchers, and administrators from Japan and the US fostering a vibrant environment for research collaboration. By leveraging the ongoing activities and experiences of participants, we aim to accumulate invaluable lessons engage in discussions to gain insights into effective mechanisms that facilitate cross-border collaborations among researchers, universities, and funding agencies, ultimately accelerating the pace of collaboration.

**Date & Time:** July 22 (Sat) 9:30-17:30

**Venue:** [Li Ka Shing Center For Learning \(LKSC\)](#) Room 120

**Session organizers:** Japan Agency for Medical Research and Development & Japan Science and Technology Agency & Japan Society for the Promotion of Science & United Japanese Researchers Around the World

**Moderator:**

- Takuto Miyamoto, Washington DC Office Director, Japan Agency for Medical Research and Development (AMED)

**Presenters:**

- Kazuyoshi Shimada, Director, Washington DC Office, Japan Science and Technology Agency (JST)
- Yuichi Ono, Professor and Deputy Director, International Research Institute of Disaster Science (IRIDeS), Tohoku University
- Masaki Sato, Manager, Department of International Affairs, JST
- Shun Yokoi, Visiting Scholar, Structural Biology Department, School of Medicine, Stanford University-SLAC National Accelerator Laboratory
- Soichi Wakatsuki, Professor, Photon Science and of Structural Biology, Stanford University-SLAC National Accelerator Laboratory
- Kyotaro Maeda, Director, North-America Center, National Institute of Information and Communications Technology (NICT)
- Yusaku Nakabeppu, Director, San Francisco Office, Japan Society for the Promotion of Science (JSPS)
- Justin L. Gardner, Associate Professor, Department of Psychology, Stanford

- University
- Hirohisa A. Tanaka, Professor, Fundamental Physics Directorate / SLAC National Accelerator Laboratory
- Junji Urakawa, Director, Washington DC Office, JSPS
- Fred Ariel Hernandez, Lead Scientist, University of California Los Angeles, Sport and Society Research Lab
- Patricia Falcone, Deputy Director for Science and Technology, Lawrence Livermore National Laboratory
- Tomoko Hayashi, Project Scientist, Moores Cancer Center, University of California San Diego
- Shin'ichiro Matsuo, Research Professor of Computer Science, Georgetown University
- Richard Dasher, Adjunct Professor, East Asian Languages and Cultures, Stanford University
- Kazuhito Morioka, Director, United Japanese Researchers Around the World (UJA)

### (24\_1) Next-generation technologies for micro-sampling

---

In 2021, a groundbreaking international collaboration between Stanford University and Nagoya University was launched centered around the core concept of "Health is a product of the Genome & Exposome." The collaborative effort took shape as the "Japan-U.S. Joint Cohort Study to Elucidate the Factors of Individual Differences in Responses to Health and Disease." In this enlightening session, we will provide an overview of this international collaborative research and introduce future health profiling approaches across diverse populations, created by the utilization of next-generation technologies, such as dynamic health profiling through integrated analysis of wearables and multi-omics data.

**Date & Time:** July 24 (Mon) 8:30-11:00

**Venue:** Beckman Center, [Munzer Auditorium](#)

**Session organizers:** Session organizer: Stanford University School of Medicine & Nagoya University Graduate School of Medicine

**Presenters:**

- Makoto Ishii, Professor, Graduate School of Medicine, Nagoya University
- Michael Snyder, Professor & Chair, Department of Genetics, Stanford School of Medicine
- Patricia Rodriguez Espinosa, Assistant Professor, Stanford School of Medicine
- Rui Yamaguchi, Chief, Aichi Cancer Center Research Institute

### (24\_2) Future of Electronics with New Semiconductors

---

Professor Chowdhury's group at Stanford University and the Center for Integrated Research of Future Electronics at Nagoya University are working closely together to establish future electronics with new semiconductors that will transform our lives. Within this framework, companies related to future electronics from Japan and the US will present their vision.

**Date & Time:** July 24 (Mon) 13:10-18:10

**Venue:** Beckman Center, [Munzer Auditorium](#)

**Session organizers:** Stanford University School of Engineering & Nagoya University Institute of Materials and Systems for Sustainability

**Presenters:**

- Kenji Iso, Manager, Mitsubishi Chemical / Designated Professor, Nagoya University
- Tetsu Kachi, Fellow, Toyota Central R&D Labs., Inc / Designated Professor, Nagoya University
- Tim McDonald, Senior Director, GaN Marketing & Application, Infineon Technologies
- Dilip Risbud, Director, WBG Device Design and Development, Renesas Electronics America Inc.
- Roger Nichols, 6G Program Manager, Keysight Technologies
- Lorenza Moro, Director, Technology Management, Samsung Display USA R&D
- Srabanti Chowdhury, Professor, Stanford University School of Engineering
- Hiroshi Amano, Distinguished Professor and Director of Center for Integrated Research of Future Electronics / Nobel Laureate in Physics 2014

### (25) Fostering global business growth through industry-academia collaboration

The pursuit of multilayered collaboration between business and academia in Japan and the US necessitates comprehension understanding of the current state of industry-university collaboration in Japan and the US. Since the academic environment differs in Japan and the US, bringing the American model to Japan and vice versa may not always work. By extending invitations to accomplished deep-tech startup companies, successful university commercialization programs, thriving investors, and exemplary education programs, we intend to underscore the importance of universities and startups. Additionally, as organizers of this session, we aim to engage in discussions with startups and investors regarding the emerging model of global industry-academia collaboration that is anticipated in the future. Join us as we embark on the journey akin to an "Academia's Davos meeting" in the times to come.

**Date & Time:** July 25 (Tue) 8:45-17:15

**Venue:** Beckman Center, [Munzer Auditorium](#)

**Session organizers:** Stanford University & Sozo Ventures

**Presenters:**

- Phil Wickham, Founder and General Partner, Sozo Ventures
- Koichiro Nakamura, Founder and General Partner, Sozo Ventures
- Tak Niinami, Chief Executive Officer, Suntory Holdings Limited
- Staffan Helgesson, General Partner, Creandum
- Bryan Roberts, Partner, Venrock
- Will Polkinghorn, Co-founder & CEO, Need
- Ann Miura-Ko, Partner, Floodgate

- Mar Hershenson, Founding Managing Partner, Pear
- Steven Neil Kaplan, Professor, The University of Chicago Booth School of Business
- Cameron Teitelman, Founder & Chairman, Start X
- Jerry Yang, Founding Partner, AME Cloud Ventures
- Paul Tumpowsky, Founder and CEO, SKYLARK
- Ela Borenstein, Vice President, Venture Capital Incentivized Programs at BDC / Kauffman Fellow
- Matt Price, President, Activate
- Joi Ito, venture capitalist, President, Chiba Institute of Technology
- Gen Woods, Co-Founder & CEO, Callback
- Andrew Farquharson, Founding member of InCube's venture fund
- Jennifer Hamilton, Postdoctoral fellow, University of California Berkeley
- Mark Rice, Professor, Babson College
- Ade Mobogunje, Senior Research Engineer, Mechanical Engineering, Stanford School of Engineering
- Kohei Ito, President, Keio University

\*Some other presenters are expected.