
New Approaches for the Promotion of Innovation, Science and Technology: Bridging Japan and San Diego



Tuesday, May 19, 2015 | UC San Diego



Co-sponsored by the Japan Society for the Promotion of Science (JSPS), Japan Forum for Innovation and Technology (JFIT) and Center for Emerging and Pacific Economies (EmPac) at the School of International Relations and Pacific Studies (IR/PS)

Conference Agenda | Villages West, Building 1, 15th Floor, Room A

- 9:00 am **Welcome Remarks by Ulrike Schaede, Director, JFIT and Yoshio Yamawaki, Director-General for International Affairs, MEXT**
- 9:15-10:45 am **Panel I: University Structures and the Promotion of Entrepreneurship**
- Panelists:
Hiroshi Komiyama, Honorary Chairman, MRI and Former President, The University of Tokyo
Greg Horowitz, Co-Founder and Managing Director, T2 Venture Creation
Takeshi Saito, Partner and Managing Director, Industrial Growth Platform, Inc.
Nobuhiko Hibara, Associate Professor of Finance, Waseda Business School
- Moderator: **Mary Walshok**, Associate Vice Chancellor of Public Programs and Dean of Extension, UC San Diego
- 11:00-12:30 pm **Panel II: Science Policy and the Promotion of Innovation**
- Panelists:
Makoto Suematsu, President, Japan Agency for Medical Research and Development
Elizabeth Lyons, Assistant Professor of Management, IR/PS, UC San Diego
Vish Krishnan, Professor, Rady School of Management, UC San Diego
Martin Kenney, Professor of Community and Regional Development, College of Agriculture and Environmental Sciences, UC Davis
- Moderator: **Takeo Hoshi**, Senior Fellow, Walter H. Shorenstein Asia-Pacific Research Center, Stanford University
- 12:30-1:30 pm **Lunch with Keynote Address**
- “From Strength to Strength: Building Bridges between San Diego and Japan”**
- Lawrence Goldstein**, Distinguished Professor of Cellular and Molecular Medicine, UC San Diego School of Medicine and Director, UC San Diego Stem Cell Program
- 1:30-2:45 pm **Panel III: The Commercialization of Bio-Science**

Panelists:

Geert Schmid-Schoenbein, Distinguished Professor of Bioengineering, UC San Diego
Lynne Zucker, Professor of Sociology, UCLA
Koichi Sumikura, Associate Professor, National Graduate Institute for Policy Studies
David Vera, Professor of Radiology and of Surgery, UC San Diego

Moderator: **Joe Panetta**, President and CEO, Biocom

2:45-3:15 pm

Coffee Break

3:15-4:45 pm

Panel IV: The Internet of Things as the Next Big Thing

Panelists:

Hiroshi Fujiwara, Founder and President, BroadBand Tower, Inc.
Peter Cowhey, Dean, IR/PS, UC San Diego
Camille Sobrian, President and Chief Marketing Officer, Malama Composites
Robert Eberhart, Assistant Professor of Management, Santa Clara University

Moderator: **Greg McKee**, CEO, CONNECT

4:45-6:00 pm

Panel V: Ongoing Changes in Japan: Toward a Joint San Diego-Japan Innovation Initiative

Panelists:

Masaaki Shirakawa, Professor, Aoyama-Gakuin University
David Enloe, President and CEO, Ajinomoto Althea, Inc.
Ulrike Schaede, Professor of Japanese Business, IR/PS, UC San Diego
Takashi Kiyozumi, Managing Director, Kiyozumi Advisory LLC

Moderator: **Megumi Naoi**, Associate Professor, Political Science, UC San Diego

Conference Participants' Bios (in alphabetical order)



Peter Cowhey is Qualcomm Endowed Chair in Communications and Technology Policy and Dean of IR/PS at UC San Diego. Dean Cowhey can provide commentary on U.S. trade policy, foreign policy, the future of communications and information technology markets and policy, the internet, biological threats, international corporate strategy, and the microfinance industry to alleviate poverty. In 2009, Peter Cowhey served a 12 month assignment as the Senior Counselor to Ambassador Kirk in the Office of the United States Trade Representative (USTR) under President Barack Obama. He also serves on the bi-national experts group appointed by the U.S. and Chinese Governments on innovation policy.



Robert Eberhart is an Assistant Professor of Management at Santa Clara University and a research scholar at Stanford University where he directs the Santa Clara / Stanford Project on Japanese Entrepreneurship. He is also a visiting professor at Kobe University and research associate at Columbia University. His research interests focuses on theories of institutional change and role of institutions on new venture performance. Professor Eberhart's academic publications include topics such as new theoretical constructs on how institutional change has complex effects on new firms and entrepreneurs. Dr. Eberhart is also an academic advisor to the American Chamber of Commerce's Task Force on New Growth Strategies as well as the Japan Innovation Network.



David Enloe, President and CEO of Ajinomoto Althea Inc., brings 20 years of executive management experience in biotechnology, drug development and GMP Manufacturing. He joined Althea in December of 2013 after serving as the Head of Lonza's Viral Therapeutics Business Unit since August 2010. This new business unit was the result of Lonza's acquisition of Vivante GMP Solutions, a company that Mr. Enloe founded in June, 2009 and where he served as President and CEO until its sale to Lonza AG. Preceding Vivante, Mr. Enloe spent 14 years with, Introgen Therapeutics, joining as its first employee in 1995 and spending several years as Senior Vice President and COO before ultimately being named President and CEO.



Hiroshi Fujiwara is the founder and president of Tokyo-based firms BroadBand Tower (BBTower) and Internet Research Institute (IRI). He is one of the key contributors to the global standardization of MPEG digital video compression technology and was an early architect of Japan's Internet hardware system. Dr. Fujiwara is one of Japan's leading Internet visionaries, philanthropists and investors. He is a key figure and mentor in science-based entrepreneurship in Japan, and his funds invest in industries ranging from the Internet to life sciences.



Larry Goldstein is Distinguished Professor in the Department of Cellular and Molecular Medicine and the Department of Neurosciences at UC San Diego's School of Medicine, as well as Director of the UC San Diego Stem Cell Program, Scientific Director of the Sanford Consortium for Regenerative Medicine, and Director of the Sanford Stem Cell Clinical Center. Dr. Goldstein's work is supported by funding from the National Institutes of Health (NIH), the California Institute for Regenerative Medicine, and the Ara Parseghian Medical Research Foundation.



Nobuhiko Hibara is Associate Professor of Finance, Waseda Business School, Waseda University. Previously, he was Associate Professor of Finance, Edwards School of Business, University of Saskatchewan, Canada and School of Business, Ritsumeikan University, Kyoto, and worked with the World Bank, RIETI, and Bank of Tokyo. His areas of interest are in financial intermediation, venture capital, and financing of innovation. He earned his Ph.D. and M.A. in Economics from Columbia University and his B.A. in International Relations at the University of Tokyo.



Greg Horowitz is the cofounder and Managing Director of T2 Venture Creation and has spent 25+ years working in startups and venture capital. He is the co-author of the bestselling book, *The Rainforest: The Secret to Building the Next Silicon Valley* and has consulted on innovation with top organizations like the Aspen Institute, National Academies of Science, World Bank, and US Department of State. He worked under Warren Buffett as an executive at a Berkshire Hathaway operating company, is a Kauffman Fellow, and has been a founder, investor, and board member in many leading organizations.



Takeo Hoshi is the Henri and Tomoye Takahashi Senior Fellow at the Walter H. Shorenstein Asia-Pacific Research Center at Stanford University, and a professor of finance (by courtesy) at the Stanford Graduate School of Business. Before he joined Stanford University in 2012, he was Pacific Economic Cooperation Professor in International Economic Relations at the Graduate School of International Relations and Pacific Studies (IR/PS) at the UC San Diego, where he conducted research and taught on the Japanese economy for 24 years.



Martin Kenney is a Professor in Community and Regional Development in the College of Agriculture and Environmental Sciences at the University of California, Davis; a Senior Project Director at the Berkeley Roundtable on the International Economy; and Senior Fellow at the Research Institute for the Finnish Economy. He co-authored or edited six books and 150 scholarly articles on industrial clusters, entrepreneurship, university-industry relations, and value chain upgrading. His first book *Biotechnology: The University-Industrial Complex* was published by Yale University Press.



Takashi Kiyozumi is Managing Director of Kiyozumi Advisory LLC. He is also a life science entrepreneur/executive with over 30 years of experience as well as a board certified plastic surgeon. As a founding President and CEO of MediciNova (NASDAQ:MNOV), he raised over \$190 million in private placements and a successful IPO, within 5 years of inception. Prior to founding MediciNova, he was President and CEO of Tanabe Research Laboratories, USA (US affiliate of Mitsubishi Tanabe Pharma). Since 2005, He has been an active angel investor/board member with various life science ventures in San Diego.



Hiroshi Komiya, a prominent academic and leading authority in global sustainability, became Chairman of the Mitsubishi Research Institute, Inc. and President Emeritus at the University of Tokyo in April 2009, after completing four-year presidency at the University of Tokyo. He was appointed as the 28th president of the University of Tokyo in April 2005, after serving a year each as vice-president and executive vice-president in addition to serving before that as Dean of the School of Engineering. In addition to his positions at Mitsubishi Research Institute, Inc. and the University of Tokyo, he is the president of the Engineering Academy of Japan. He also serves as an active adviser to the Japanese Government, the media and several non-profit organizations.



Vish Krishnan is an accomplished scholar and an award winning educator with more than two decades of experience working with the world-class professionals and firms. He is the winner of several major teaching and research awards including the Most Valuable Professor award in the Executive Masters program. Dr. Krishnan is currently Chaired Professor and a founding faculty at UC San Diego's Rady School of Mgmt. He teaches and specializes on the topics of science and technology-driven Innovation & Entrepreneurship, Growth Strategy, and Supply Chain/Operations Mgmt. He has developed and launched Rady's signature MBA curriculum, "Lab to Market".



Elizabeth Lyons is an Assistant Professor of Management at IR/PS, UC San Diego. She completed her Ph.D. degree in Strategic Management from the Rotman School of Management at the University of Toronto in 2014. Liz's research focuses on the intersection between technology and innovation strategy, international management, and organizational economics. Currently, her projects include using field experimental and observational data to analyze firm hiring and organization in international labor markets; using experimental evidence from the lab to analyze the relationship between organizational authority and production decisions; and using data collected over four years to study the effects of entrepreneurship training on career decisions.



Greg McKee is CEO of CONNECT. He brings nearly 30 years of experience in the healthcare, investment management and investment banking industries to CONNECT. He was co-Founder of Global Bio Link, a global Specialty Pharma company focused on the commercialization of novel and niche compounds in markets outside the United States. Prior to Global Bio Link, he was Chairman and CEO of Akela Pharma Inc. and its predecessor company, Nventa Biopharmaceuticals. Greg lived and worked in Japan and in Singapore for nine years and speaks fluent Japanese.



Megumi Naoi is an Associate Professor of Political Science at UC San Diego. Her research interests bridge the fields of international and comparative political economy with particular interests in the politics of trade in East Asia. Naoi is the author of *Building Legislative Coalitions for Free Trade in Asia* (Cambridge University Press, 2015), which examines how party leaders liberalized trade in post-War Japan and Thailand by buying off legislative support with side-payments such as pork barrel projects. Her current work examines the effect of elites and media persuasion on citizens' support for trade agreements and economic integration in East Asia, especially in Japan, South Korea and Taiwan.



Makoto Nonaka is Founding President of the La Jolla Institute for Allergy and Immunology. He is educated and trained as a physician and researcher both in Japan and the United States. Dr. Nonaka received M.D. from Jikei University School of Medicine in Tokyo, and Ph.D. from the Faculty of Medicine at University of Tokyo. He is also Adjunct Professor of Medicine at St. Marianna University School of Medicine in Japan, and Special Advisor for the RIKEN Institute of Japan.



Joe Panetta is President & CEO and a member of the Board of Directors of Biocom. As President and CEO since 1999, Mr. Panetta has been responsible for leading Biocom's efforts to position the regional life science community to achieve global success. In January, 2014 Mr. Panetta was appointed by California Governor Jerry Brown to the Independent Citizens Oversight Committee which serves as the governing and oversight Board for the CA Institute for Regenerative Medicine (CIRM) and is responsible for providing grant funding under the \$3 billion CA stem cell initiative



Takeshi Saito is Co-founder, Senior Partner and Managing Director at Industrial Growth Platform, Inc. (IGPI). He has extensive industrial coverage including manufacturing and ICT. He is in charge of principal investment for early stage start-ups in the technology innovation field. He is currently a member of several working committees in the MEXT as well as in the METI. He also serves as a faculty at the Institute for Strategic Leadership. He was a Managing Director at IRCJ, the first government-sponsored private equity fund, and directed such cases as OCC, one of the three largest submarine cable manufacturers in the world, and also served as a managing director of Kanebo.



Ulrike Schaede is Professor of Japanese Business, Director of the newly created Japan Forum for Innovation and Technology (JFIT), Executive Director of the Center for Emerging and Pacific Economies (EmPac), and the Head of the International Management Track at IR/PS. She is fluent in Japanese and has spent a total of more than eight years of research and study in Japan, where she has been a Visiting Scholar at the research institutes of the Bank of Japan, Japan's Ministry of Finance, the Ministry of Economy, Trade and Industry, and the Development Bank of Japan.



Geert Schmid-Schoenbein is Distinguished Professor, Director of the Microcirculation Laboratory and Chairman of the Department of Bioengineering at UC San Diego. He teaches bioengineering of living tissues and biomechanics and has been nominated repeatedly as Teacher of the Year in Bioengineering at UCSD. His research interest is in Microcirculation, Cell and Molecular Mechanics applied to inflammation and pathophysiology. His team carries out bioengineering analysis of the microcirculation in human disease and has discovered a fundamental mechanism for cell dysfunctions and inflammation due to "Autodigestion".



Masaaki Shirakawa is former Governor of the Bank of Japan. He was appointed as Governor in April, 2008 and left the Bank in March 2013. He was also Vice-Chairman of the Board of Directors of the BIS since January 2011. Currently, he is professor at Aoyama-Gakuin University and also a member of Group of Thirty. Masaaki Shirakawa joined Bank of Japan in 1972. At the Bank, he held key positions, including Executive Director in charge of monetary policy. He assumed Professorship at the Kyoto University School of Government from July 2006 to March 2008.



Camille Sobrian is President & Chief Marketing Officer of Malama Composites. Before Malama, Camille was President of MD Revolution, a digital health technology company that is preventing, predicting and reversing chronic diseases and lowering healthcare costs. Prior to MDR she was President of CONNECT, one of the world's most successful business accelerators. Under her leadership CONNECT mentored over 3,000 companies a year, providing leadership training, capital formation, and corporate services to early stage companies. She has been recognized by the Clinton Global Initiative for her near-sourcing manufacturing program.



Makoto Suematsu is President of the recently created Japan Agency for Medical Research and Development (AMED). AMED engages in research and development in the field of medicine, establishing and maintaining an environment for this R&D, and providing funding, in order to promote integrated medical R&D from basic research to practical applications, to smoothly achieve application of outcomes, and to achieve comprehensive and effective establishment / maintenance of an environment for medical R&D. Prior to heading up AMED, Dr. Suematsu was Dean of the Keio University School of Medicine in Japan since 2007. Dr. Suematsu's major research interests are in gas biology, biochemistry, microcirculatory physiology, and metabolome analysis and its medical application.



Koichi Sumikura received his Ph.D. in engineering from the University of Tokyo in 1998. He has been working for National Graduate Institute for Policy Studies (GRIPS) as Associate Professor since 2001. He worked for Research Center for Advanced Science and Technology, the University of Tokyo, from 1998 to 2001. Sumikura also has been working for National Institute of Science and Technology Policy (NISTEP), as Director of Research of 2nd Theory-Oriented Research Group since 2012.



David Vera is presently Professor of Radiology and of Surgery at the University of California, San Diego. He is the co-director of the UC San Diego In Vivo Cancer and Molecular Imaging Center, one of seven NCI-sponsored centers nationwide. Dr. Vera's current research uses receptor-binding technology for sentinel node mapping of melanoma, breast, GI, and urologic cancers. The new agent, Tc-99m-DTPA-mannosyl-dextran (also called Lymphoseek or the generic name, tilmanocept), developed in collaboration with UC San Diego clinicians and surgeons, was recently approved by the FDA and the European Medicines Agency. Dr. Vera is a member of the Society of Nuclear Medicine and serves as its representative to the Biomarker Consortium of the Foundation of the NIH.



Mary Walshok is an author, educator, researcher, and associate vice chancellor for public programs and dean of Extension at UC San Diego. She is the author of more than 100 articles and reports on aligning workforce development with regional economic growth. An industrial sociologist studying the dynamics of regional economic transformation, with a particular focus on how globalization and rapid changes in technology are affecting the social dynamics and economic challenges of regions across America, Walshok has researched various communities with support from the U.S. Department of Labor, NSF, and the Lilly Endowments. She is currently engaged in research on binational innovation dynamics.



Yoshio Yamawaki is Director-General for International Affairs at the Japan Ministry of Education, Culture, Sports, Science and Technology (MEXT). He worked for MEXT in several different capacities, including Deputy Director-General of the Research Promotion Bureau and Deputy Director-General of the Sports and Youth Bureau.



Lynne Zucker is Professor of Sociology and Public Policy at UCLA and Director of the Center for International Science, Technology, and Cultural Policy in the UCLA Luskin School of Public Affairs. Concurrently, she holds appointments as Research Associate with the National Bureau of Economic Research and Fellow of the California Council on Science and Technology. Zucker's current research, joint with Michael Darby, is on academic science and high-technology industries. Under NSF and Kauffman Foundation support, Zucker and Darby continue to integrate databases and additional years of data into their Connecting Outcome Measures in Entrepreneurship Technology and Science public digital library linking organizations and scientists to U.S. patents and major federal grants across all fields.