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*Organization in Special Consultative Status  
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**2019**

**World Alliance Forum  
in San Francisco**

***Healthcare Game Changers:  
Emerging Trends & Technologies***

**Golden Gate Club  
October 29 & 30, 2019**

Organized by:

**Alliance Forum Foundation**

**Government of Japan**

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## Greetings

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*Organization in Special Consultative Status  
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### **Greetings from George Hara**

#### **Chairman of the Board, Alliance Forum Foundation**

I would like to extend my heartfelt welcome and appreciation to everyone for your participation in the 2019 World Alliance Forum in San Francisco (WAFSF).

One of the 21st century's most difficult challenges is population aging. While effects of aging have started to be seen in some developed nations including Japan, where an unprecedented third of the population is already over 60 years old, the challenge of population aging is global. According to the World Health Organization, 80% of older people are expected to be living in low- and middle-income countries in 2050. By the same time in China, nearly 500,000,000 people will be 60 or older.

In addressing this global challenge of population aging, I would like to share with you my goal *to enable every person to live a healthy life until his/her last moment* and also hope that WAFSF sparks new ideas, innovations, and collaborations by bringing together the best minds in different fields from the United States, Japan, and other countries around the world.

Finally, I would like to take this opportunity to express my gratitude to the distinguished speakers for helping to design the future of healthcare and healthy aging. Equally, our deepest appreciation goes to our sponsors who every year help to make this unique conference possible.

Sincerely,

A handwritten signature in black ink, appearing to read "George Hara". The signature is fluid and cursive.

Ambassador George Hara  
Chairman of the Board,  
Alliance Forum Foundation

*(Organization in Special Consultative Status with the UN ECOSOC)*

Special Advisor to the Cabinet Office of the Prime Minister of Japan



### **Greetings from the Consul General of Japan**

#### **Consul General of Japan in San Francisco**

It is a pleasure to offer my sincere congratulations to the World Alliance Forum on hosting its 7th annual event in San Francisco. This year's continuing theme, "Healthcare Game Changers: Emerging Trends and Technologies," remains to be a topic that is applicable across all borders, as we focus on "healthy aging" as it pertains to innovations in technology and policy, which are essential to creating an thriving, sustainable ecosystem.

Following the trend of societies around the world, California's over-65 population is projected to grow to 8.6 million by 2030, which has prompted Governor Gavin Newsom to sign an executive order calling for the creation of a Master Plan for Aging to be developed by October 2020. For quite some time, Japan has been leading this aging trend and the Abe administration established the "Council for Designing a 100-Year Life Society" to set up discussions for a "lifelong society," where all citizens, including seniors, can continue to play an active role. In order to solve these issues in Japan and in other countries, every year it becomes more and more imperative to have cooperation between global experts in numerous fields such as academia, industry, and government.

I commend the efforts of the World Alliance Forum for creating this unique opportunity to share best practices and new technologies amongst leading figures and visionaries in healthcare, which has proven to lead toward a direct impact on the quality and prosperity of lives around the world. It is my sincere hope that meaningful dialogue and collaboration will take place throughout the next few days, and further contribute to US-Japan advancement in the field of healthcare technologies.



Consul General Tomochika Uyama  
Consul General of Japan in San Francisco

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## Event Summary

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### **2019 World Alliance Forum in San Francisco**

<b>Title:</b>	<b>Healthcare Game Changers: Emerging Trends &amp; Technologies</b>
<b>Date &amp; Time:</b>	Tuesday, October 29, 2019 9:00 am – 5:30 pm (Reception: 5:30 pm – 6:30 pm) Wednesday, October 30, 2019 9:00 am – 5:05 pm (Reception: 5:05 pm – 6:15 pm)
<b>Location:</b>	Golden Gate Club (135 Fisher Loop, San Francisco, CA 94129, USA)
<b>Organizers:</b>	Alliance Forum Foundation (Organization in Special Consultative Status with the UN ECOSOC) Government of Japan
<b>Ultimate Sponsors:</b>	DEFTA Partners Kowa Company, Ltd. MIRAI TRUST Inc.
<b>Diamond Sponsors:</b>	JCR Pharmaceuticals Co., Ltd. Mitsui Fudosan Co., Ltd. ROHTO Pharmaceutical Co., Ltd. Shonan Health Innovation Park
<b>Platinum Sponsors:</b>	Eisai Co., Ltd. MUFG Union Bank, N.A. Sumitomo Dainippon Pharma Co., Ltd.
<b>Gold Sponsors:</b>	DeNA Co., Ltd. Sysmex R&D Center Americas, Inc.
<b>Silver Sponsors:</b>	Lonza Pharma & Biotech SanBio Inc.
<b>Presenter Sponsor:</b>	Hirotsu Bio Science Inc.
<b>In-Kind Sponsors:</b>	AlphaGraphics Ms. Tomoko Tsuji (IKENOBO Flower Arrangement)
<b>Major Supporting Organizations:</b>	BIOCOM California Institute for Regenerative Medicine (CIRM) Forum for Innovative Regenerative Medicine (FIRM) Hara Research Foundation (HRF) Japan Bioindustry Association (JBA) Japan Pharmaceutical Manufacturers Association (JPMA)
<b>Supporting Organizations:</b>	Alliance Forum Foundation Executive Club Japan Bio Community (JBC) Japan Society of Northern California Japanese Chamber of Commerce of Northern California (JCCNC) Japanese University Network of the Bay Area (JUNBA) JETRO (Japan External Trade Organization) New Energy and Industrial Technology Development Organization (NEDO) US-Japan MedTech Frontiers (USJMF)

**Program: Tuesday, October 29, 2019 (AM Session)**

<b>&lt;Day 1&gt; Tuesday, October 29, 2019</b>	
9:00 - 9:05	<b>MC: Mr. Kevin McCormack</b> , Senior Director, Public Communications & Patient Advocate Outreach, California Institute for Regenerative Medicine
9:05 - 9:10	<b>Welcome Remarks</b> <b>The Honorable Tomochika Uyama</b> , Consul General, Consulate General of Japan in San Francisco
9:10 - 9:30	<b>Keynote Speech: Creating the Future Where Every Person Can Lead a Healthy Life until His/Her Final Moment</b> <b>Ambassador George Hara</b> , Chairman of the Board, Alliance Forum Foundation; Group Chairman & CEO, DEFTA Partners; Special Advisor to the Cabinet Office of the Prime Minister of Japan
9:30 - 10:30	<b>Strategies for Extending Health Span</b> Moderator: <b>Dr. Maria T. Millan</b> , President & CEO, California Institute for Regenerative Medicine <b>Dr. Robert Klein</b> , Chairman, Americans for Cures <b>Dr. Shannon Muir</b> , Science Officer, California Governor's Office of Planning & Research <b>Ms. Elissa Pritchep</b> , Precision Medicine Lead, World Economic Forum
10:30 - 10:50	Coffee Break / Networking
10:50 - 11:00	<b>Community-Derived Health Data &amp; Evidence Discovery</b> <b>Dr. Kuniaki Miyake</b> , Chief Medical Officer, DeNA Co., Ltd.; Representative Director, DeSC Healthcare, Inc.
11:00 - 12:00	<b>How Innovation &amp; Technology Will Change the Face of Healthcare</b> Moderator: <b>Mr. Matt Gardner</b> , Chief Executive, California Technology Council <b>Mr. Martin Carty</b> , President & CEO, Lifeguard Health Networks <b>Mr. Eric Mattson</b> , Principal, Excellere Partners <b>Mr. Stephen J. Metzger</b> , Board Member, RAND Health; Managing Director, BrainFrees
12:00 - 1:00	Lunch Break (Hawthorne & Cypress Room)

**Program: Tuesday, October 29, 2019 (PM Session)**

1:05 - 1:15	<p><b>Company Presentation: JCR Pharmaceuticals Co., Ltd.</b>  <b>Dr. Hiroyuki Sonoda</b>, Corporate Officer, Executive Director, Research Planning Division, JCR Pharmaceuticals Co., Ltd.</p>
1:15 - 2:15	<p><b>How Digital Healthcare in Emerging Markets is Burgeoning</b>  Moderator: <b>Dr. Naureen Shaikh</b>, Founder, MMTI; Senior Faculty, UC Denver Family Medicine  <b>Mr. Syed Ahmed</b>, CEO, BracNet LTD  <b>Mr. Srikanth Jadcherla</b>, CEO, iMedrix Inc.  <b>Dr. Khondaker A. Mamun</b>, Founder &amp; President, CMED Health; Founder &amp; Director, AIMS Lab, United International University, Bangladesh  <b>Dr. Muhammad Musa</b>, Executive Director, BRAC International</p>
2:15 - 2:25	<p><b>Company Presentation: Hirotzu Bio Science Inc.</b>  <b>Dr. Takaaki Hirotzu</b>, President &amp; CEO, Hirotzu Bio Science Inc.</p>
2:25 - 2:45	<p><b>Keynote Speech: Top Ten Lessons Learned in Cell Manufacturing</b>  <b>Dr. Patrick Y. Yang</b>, Former EVP of Technical Operations, Juno Therapeutics; Former Executive Vice President, Roche &amp; Genentech</p>
2:45 - 3:05	Coffee Break / Networking
3:05 - 4:20	<p><b>Latest Innovations in the Fight Against Cancer</b>  Moderator: <b>Mr. Jim Sergi</b>, President, CSSi LifeSciences  <b>Dr. Pamela R. Contag</b>, CEO, BioEclipse Therapeutics, Inc.  <b>Dr. Yuan Gao</b>, President, Singlera Genomics, Inc.  <b>Dr. Mark Ratain</b>, Leon O. Jacobson Professor of Medicine, Director, Center for Personalized Therapeutics, The University of Chicago  <b>Dr. Tomoki Todo</b>, Professor, Division of Innovative Cancer Therapy &amp; Department of Surgical Neuro-Oncology, The Institute of Medical Science, The University of Tokyo  <b>Dr. Patrick Yang</b>, Former EVP of Technical Operations, Juno Therapeutics; Former Executive Vice President, Roche &amp; Genentech</p>
4:20 - 4:35	<p><b>WT1 Cancer Vaccine – Treatment &amp; Prevention of Cancer</b>  <b>Dr. Haruo Sugiyama</b>, Specially Appointed Professor, Osaka University Graduate School of Medicine</p>
4:35 - 5:00	<p><b>Joint Declaration for Cancer Eradication in the US &amp; Japan</b>  <b>Mr. Toshio Nakami</b>, The Advocate for the Cancer Eradication Summit with <b>Ambassador George Hara</b>, Chairman of the Board, Alliance Forum Foundation; Group Chairman &amp; CEO, DEFTA Partners; Special Advisor to the Cabinet Office of the Prime Minister of Japan</p>
5:00 - 5:30	<p><b>Special Guest Speech: Challenge toward 100-Year Life Society</b>  <b>Dr. Hiroto Izumi</b>, Special Advisor to the Prime Minister; Director-General, Office of Healthcare Policy, Cabinet Secretariat  <i>Followed by a Conversation with <b>Ambassador George Hara</b></i></p>
5:30 - 6:30	Networking Reception (Hawthorne Room)

**Program: Wednesday, October 30, 2019 (AM Session)**

<Day 2> Wednesday, October 30, 2019	
9:00 - 9:05	<b>MC: Mr. Matt Gardner</b> , Chief Executive, California Technology Council
9:05 - 9:10	<b>Guest Remarks</b> <b>Dr. Satoshi Imamura</b> , Vice President, Japan Medical Association
9:10 - 9:30	<b>Toward Life-Long Active Society</b> <b>Mr. Kazumi Nishikawa</b> , Director, Healthcare Industries Division, Commerce & Service Industry Policy Group, Ministry of Economy, Trade & Industry, Japan
9:30 - 10:30	<b>Scientific Advancements in Addressing Longevity &amp; Aging</b> Moderator: <b>Dr. Regis Kelly</b> , Director, California Institute for Quantitative Biosciences (QB3) <b>Dr. Anil Bhushan</b> , Professor, UCSF School of Medicine <b>Dr. Anthony J. Covarrubias</b> , Postdoctoral Fellow, Verdin Lab, Buck Institute <b>Dr. Irene Griswold-Prenner</b> , CEO & CSO, Nitrome Biosciences Inc. <b>Dr. Robert Klein</b> , Chief Business Officer, Alkahest, Inc.
10:30 - 10:50	Coffee Break / Networking
10:50 - 11:40	<b>Investing in the Healthcare Sector</b> Moderator: <b>Mr. Jonathan Norris</b> , Managing Director, Life Science & Healthcare Practice, Silicon Valley Bank <b>Ms. Elona Baum</b> , Managing Director, DEFTA Partners <b>Mr. Karl Handelsman</b> , Director, Investments, Roche Venture Fund <b>Dr. Carrie Shiau</b> , Vice President, Healthcare Investment Banking, BTIG <b>Dr. George Ugras</b> , Managing Director, AV8 Ventures <b>Mr. Travis Whitfill</b> , Partner, Bios Partners
11:40 - 11:50	<b>Company Presentation: Shonan Health Innovation Park</b> <b>Dr. Toshio Fujimoto</b> , General Manager of Shonan Health Innovation Park, Takeda Pharmaceutical Company Limited
11:50 - 12:30	<b>Healthcare/Life Science Startup Pitch</b>
12:30 - 1:30	Lunch Break (Hawthorne & Cypress Room)



**Program: Wednesday, October 30, 2019 (PM Session)**

1:30 - 1:35	<b>Winner Announcement: Healthcare/Life Science Startup Pitch</b>
1:35 - 1:45	<b>Company Presentation: Sysmex R&amp;D Center Americas, Inc.</b> Dr. Yuuki Watanabe, President & Managing Board Member, Sysmex R&D Center Americas, Inc.
1:45 - 2:45	<b>Space as a New Frontier for Drug Development</b> Moderator: Ms. Elona Baum, Managing Director, DEFTA Partners Dr. Rachel Clemens, Commercial Innovation Manager, ISS National Lab Dr. Devin Ridgley, Chief Biologist for SCORPIO-V Division, HNu Photonics LLC Dr. Arun Sharma, Research Fellow, Cedars Sinai Medical Center Ms. Jana Stoudemire, Commercial Innovation Officer, Space Tango
2:45 - 2:55	<b>Company Presentation: Kowa Company, Ltd.</b> Mr. Takashi Narusawa, Executive Officer, Pharmaceutical Business Unit, Kowa Company, Ltd.
2:55 - 3:15	Coffee Break / Networking
3:15 - 3:25	<b>Present &amp; Future of The California Stem Cell Agency</b> Dr. Maria T. Millan, President & CEO, California Institute for Regenerative Medicine
3:25 - 4:25	<b>Regenerative Medicine &amp; Cell Technologies</b> Moderator: Dr. Marcie Glicksman, Chief Scientific Officer, Orig3n Mr. Sean Ainsworth, CEO, Immusoft Dr. Yasushi Kajii, Head of T-CiRA Discovery, Takeda Pharmaceutical Company Limited Dr. Hideyuki Okano, Dean, Keio University Graduate School of Medicine Dr. Matthias Steger, CEO, Endogena Therapeutics
4:25 - 5:05	<b>Closing Keynote Panel: Prescription for Change – Solutions to Roadblocks in Improving Global Healthcare</b> Moderator: Dr. Judy Chou, Senior Vice President & Global Head of Biotech; Site Head of Bayer Berkeley CA, Bayer Pharmaceutical Ms. Dana L. Dornsife, Founder & Board Chair, Lazarex Cancer Foundation Dr. Regis Kelly, Director, California Institute for Quantitative Biosciences (QB3) Dr. Joseph Panetta, President & CEO, Biocom Dr. Jonathon Thomas, Chair, Governing Board, California Institute for Regenerative Medicine
5:05 - 6:15	Networking Reception (Hawthorne Room)

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## Speakers: Tuesday, October 29, 2019 (AM Session)

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**Tomochika Uyama**  
Consul General of Japan  
in San Francisco

Consul General Tomochika Uyama began his career with the Ministry of Foreign Affairs of Japan in 1986 and has been involved in the diplomatic service for over 30 years. His assignments overseas have included postings in Egypt, the Philippines, the Republic of Korea, and the Permanent Mission of Japan to the International Organizations in Geneva. His domestic assignments in Tokyo have included positions at the Economic Affairs Bureau, Latin American and Caribbean Affairs Bureau, and in the Ministry of International Trade and Industry.



**George Hara**  
Chairman of the Board,  
Alliance Forum Foundation,  
Group Chairman & CEO,  
DEFTA Partners

Special Advisor to the Cabinet Office of the Prime Minister of Japan  
Professor (by courtesy), Graduate School of Medicine, Osaka University  
International Council Member, Salk Institute for Biological Studies

George Hara is an archaeologist and successful entrepreneur. While he was a graduate student at Stanford University in 1981, George founded a successful startup developing fiber optics display systems. He then established DEFTA Partners, under which he has funded and led many early-stage technology companies in the US, Europe and Israel to success, including the first gene therapy company Viagene, the first antisense therapy company Isis Pharmaceuticals, and the first bioinformatics company Arris Pharmaceuticals. He has recently launched DEFTA Healthcare Technologies to fund and grow technology companies that are enabling every person to lead a healthy life until his/her final moment.

George's public service record includes board directors of San Francisco University, Zoo, and Opera where he helped revitalize these organizations, and advisors to heads of states, governments, and international organizations. George also serves as Special Advisor to the Cabinet Office of the Prime Minister of Japan, Global Agenda and Meta Council Member of the World Economic Forum, and Chairman of the Alliance Forum Foundation, a 501(c)3 organization in a Special Consultative Status with the UN ECOSOC that conducts many initiatives in the areas of anti-malnutrition, microfinance, new industry creation, and Public Interest Capitalism. In Yokohama, Japan, George established the Hara Model Railway Museum, which he dedicates to his late father Nobutaro whose lifelong hobby was to build and collect models of trains in the world.

In the Japanese government, George has held roles of Senior Advisor to the Minister of Finance from 2005 to 2009, Deputy Chairman of the Expert Panel of the Council on Economic and Fiscal Policy, the Prime Minister's Special Commissioner on the Government Tax Panel, a Member of the Industrial Structure Council of the Ministry of Economy, Trade and Industry, and a Member of the ICT council of the Minister for Internal Affairs and Communications. Under his vision of Public Interest Capitalism and through these roles, George works to build a framework to commercialize and industrialize new technologies and to rebuild the country's fiscal health while reducing the tax rates and increasing tax revenues at the same time.



**Maria T. Millan**  
President & CEO,  
CIRM

Dr. Maria Millan is a physician-scientist who has devoted her career to treating and developing innovative solutions for children and adults with debilitating and life-threatening conditions. After receiving her undergraduate degree from Duke University where she first entered the arena of immunology research, she returned to her home in New Jersey where she obtained her M.D. degree and then went on to complete her surgical training and post-doctoral research in Boston at Harvard Medical School – Beth Israel Deaconess Medical Center. After a transplant surgery fellowship at Stanford University School of Medicine, she began her academic career with a busy pediatric and adult transplant surgery practice focused on technical advancements and optimization of patient outcomes. In parallel, she continued her bench research at Stanford and was promoted within 5 years to associate professor and director of the Pediatric Organ Transplant Program. She served on multiple leadership teams including the Faculty Senate and the Dean's faculty committee at Stanford University School of Medicine and served on the Children's Hospital operations committee. She has published in the areas of cell biology, immunology and clinical organ transplantation.



**Robert Klein**  
Chairman,  
Americans for Cures

As a Patient Advocate, Robert Klein authored and chaired the campaign for California’s Proposition 71, the \$6 billion “California Stem Cell Research and Cures” General Obligation Bond and Constitutional Initiative that established the public corporation that funds California’s Institutions’ stem cell and genetic research and FDA approved human trials.

For its first seven years, Mr. Klein was Chair of the Governing Board of the California Institute of Regenerative Medicine (CIRM), the state funding entity financed by federal obligation bonds, as established by Proposition 71 to manage the peer review, standards, and grant process for the \$3 billion in stem cell research and therapy development program funding authorized by the Initiative, in addition to the \$3 billion for bond interest payments for 40 years.

Mr. Klein serves on the Chancellor’s section of the International Board of JDRF. He previously served on the Board of Genome Canada, a government genomic and proteomic research agency with a \$1.8 billion research portfolio. He co-chaired the Stem Cell and Regenerative Medicine Working Group of the Canada-California Strategic Innovation Partnership, which initiated the Cancer Stem Cell Consortium in Canada, which he also co-chaired. He served on the Governing Board of the Ontario Institute for Cancer Research that spun out 17 companies, during his tenure, as the first phase of returns for the government, from a \$1.2 billion investment in cancer discoveries and therapies. Robert Klein also serves as Chairman and President of Klein Financial Corporation, a real estate development company. He does not hold any financial interests in biotech or pharmaceutical companies.

Recognition includes: *Time Magazine’s* “World’s 100 Most Influential People of the Year” in 2005; *Scientific American’s* “The Scientific American 50” as a leader shaping the future of science in 2005; the Biotechnology Industry Organization’s international “Biotech Humanitarian Award” in 2010; Research! America’s Gordon & Llura Gund Leadership Award in 2010 and the International Society for Stem Cell Research’s (ISSCR) first ever “ISSCR Public Service Award” in 2011.



**Shannon Muir**  
Science Officer,  
California Governor’s Office of  
Planning and Research

Dr. Shannon Muir co-leads the California Initiative to Advance Precision Medicine, which is housed in the Governor’s Office of Planning and Research. In this role, she works with the Precision Medicine Advisory Council and the Governor’s Office in the selection and management of grants for precision medicine demonstration projects. Her current portfolio consists of projects that aim to address health disparities in cancer prevention and treatment. Dr. Muir also manages strategic relationships with State entities and other stakeholders including community groups, academics, and private sector partners. She previously served as a Director of the Research Proposal Development Service at UC San Diego, as well as a Senior Program Associate and Science and Technology Policy Fellow in the Senate Health Committee for the California Council on Science and Technology. Dr. Muir received a PhD in Biomedical Sciences from UC San Diego, an MS in Pharmacology from Tulane University, and BS in Psychobiology from UCLA.



**Elissa Prichep**  
Precision Medicine Lead,  
World Economic Forum

Elissa Prichep is Precision Medicine Lead at the World Economic Forum, and based in San Francisco. Her work focuses on developing and testing policies that will advance precision medicine approaches in emerging economies. She also manages the Forum’s Global Future Council on Biotechnology. By background, Elissa worked in the bio-pharmaceutical industry bringing specialty therapeutics to market and worked for the Maryland State government developing and implementing business and economic policy. She most recently lead patient strategy and digital innovation for biosimilar immunology products at Merck, brought their ground-breaking immunotherapy cancer treatment (KEYTRUDA) to market and developed the company’s first 24/7 patient support program. Elissa was a Woodruff Fellow at Emory University’s Goizueta Business School, where she earned her MBA, and she received her BA from Cornell University. Elissa was named to the inaugural class of the 40 Under 40 in Cancer.



**Kuniaki Miyake**  
Chief Medical Officer,  
DeNA Co., Ltd.

After graduating from the Keio University, School of Medicine, Miyake worked as a high-level bureaucrat licensed to practice medicine for over 20 years at the Ministry of Health, Labour, and Welfare.

In particular, he worked on centralizing the approach to previously disparate lifestyle-related illnesses, placing them all under the umbrella term metabolic syndrome, and also centralizing the approach to treatment. He also worked on the response to infectious diseases such as the pandemic 2009 H1N1. He was also involved in a variety of initiatives, from appropriately sharing medical information to supporting the development of drugs and medical devices.

He has also worked at the Fire and Disaster Management Agency, the Embassy of Japan in the Philippines, and the Ishikawa Prefecture Health and Welfare Department during his career.

Miyake became the Chief Medical Officer (CMO) of DeNA from April 2019, and his goal is to enable people to be effortlessly healthier for longer using engagement science (gamification) through private sector initiatives using the internet and AI.



**Matt Gardner**  
Chief Executive,  
California Technology  
Council

Matt previously founded or cofounded industry organizations including the California Cybersecurity Information Sharing Organization, BioCalifornia, California Business Incubation Alliance, the California Technology Council, Bay Area Bioscience Association, and the California Biotechnology PAC. Matt has served as the chief executive of the California Technology Council, Cancer Commons, BayBio and the Maryland Bioscience Alliance. He is an active member of the board in innovation bodies including the Technology Councils of North America, California Cybersecurity Task Force, and the Information Sharing and Analysis Organizations Standards Organization. Matt is currently chair of the National Council of Registered ISAOs. He has served as a member of the adjunct faculty at the University of San Francisco in the Department of Entrepreneurship and Innovation in the School of Management.

Matt Gardner is author or co-author of publications on innovation including “California Tool Works,” “Approaching Zero” and “A Future at Risk.”

He was, until recently, chairman of the board of Seeding Labs, a non-profit based in Cambridge, Massachusetts which improves science capacity at institutions in the developing world.

Matt served as a founder and chair of the life science innovation boards for two members of Congress, Rep. Barbara Lee (California, 13th) and Rep. Jackie Speier (California, 14th). He is the co-author of legislation including Maryland’s angel investment credit and California’s tax treatment of net operating losses for innovative companies, and regulations including California’s “L” occupancy code allowing life sciences research to expand vertically above the second floor.



**Martin Carty**  
President & CEO,  
Lifeguard Health Networks

Martin is co-founder and President of Lifeguard Health Networks, a digital health management company focused on remote care coordination. His experience as a caregiver for his son who was diagnosed with Type 1 Diabetes coupled with his past 25 years focused on IT Automation were the motivations to create the company’s care platform, LifeguardMOBILE™.

Prior to Lifeguard Health Networks, Martin was the Area Vice President of for Emerging Products & Cloud Computing at BMC Software (NASDAQ: BMC). Martin has also held key management positions at BladeLogic (NASDAQ: BLOG), Groove Networks (Acquired by Microsoft – MSFT), and Kana Communication (NASDAQ: KANA). He started his career in information technology in 1993 at Parametric Technology Corporation (NASDAQ: PMTC).

Martin lives in Wayne, Pennsylvania with is wife and two children.



**Eric Mattson**  
Principal,  
Excellere Partners

Mr. Mattson has more than 30 years of international merger & acquisition, strategic consulting and senior operations experience. Currently, as a Principal with Excellere Partners, a healthcare-centric private equity fund, Mr. Mattson is responsible for identifying new investment opportunities and implementing value creation strategies for the firm's platform investments. Prior to joining Excellere, he was a corporate development and operating executive with Express Scripts/Medco, United BioSource Corporation and HealthSTAR Communications, all of which are global pharmaceutical industry companies.

From 1989-2002, Mr. Mattson was with Citi Capital Strategies, the middle-market investment banking division of Citigroup. During his career as an investment banker, he was responsible for all areas of origination, valuation and M&A transaction management and execution, advising more than 200 clients across a broad range of industries. During his career, he has been a party to acquisitions and divestitures totaling more than \$30 billion in transaction value. Mr. Mattson began his career in corporate finance for Paradyme Corporation, a then NYSE-listed manufacturer of telecommunications equipment. He earned a degree in Business Administration with majors in Finance and Economics from the University of South Florida.



**Stephen J. Metzger**  
Board Member,  
RAND Health

Mr. Metzger is a veteran of more than thirty years in the telecommunications and healthcare industries. Mr. Metzger is currently a member of the RAND Corporation's Board of Health Advisors. Mr. Metzger advises several companies and investors in healthcare technology, clinical service delivery and medical devices.

Mr. Metzger was most recently CEO of Virtual Telephone and Telegraph (VT&T) and Managing Director of AngelWorks, a philanthropic foundation focused on funding cancer research. He is currently engaged in investing and advising HealthCare technology startups and designing TeleMedicine systems.

Mr. Metzger has been part of several startups and has successfully exited a fiber optics based telecommunications carrier, a LAN implementation company, and a telecommunications equipment company.

Mr. Metzger enjoyed executive positions in marketing, operations, sales and general management with IBM, Fujitsu, AT&T and Harris Corporation. In these positions, Mr. Metzger provided leadership to various divisions including hardware, software and service offerings.

Mr. Metzger has significant experience in advising and assisting in the management of various start-up and established businesses. He has served as a director of privately-held and publicly traded companies, and contributes to blogs and various sites.

In addition to serving as a director on private company boards, Mr. Metzger advises Northbridge Growth Equity & Martin Ventures companies, and has assisted Warburg Pincus with due diligence and acquisition strategy.

He has served as Chairman of the Board of the Boys and Girls Clubs of Monterey County, California; as well as a National Trustee for the Boys and Girls Clubs of America, and Trustee for the Hockaday School of Dallas.

## Speakers: Tuesday, October 29, 2019 (PM Session)



**Hiroyuki Sonoda**

Corporate Officer, Executive Director, Research Planning Division, JCR Pharmaceuticals Co., Ltd.

Dr. Hiroyuki Sonoda joined JCR in 2003 as a researcher in Advanced Medical Technology Research and Development Center where he developed his expertise in manufacturing technology for recombinant therapeutic proteins from lab to pilot scale. Appointed Senior Scientist of Research Institute in 2014 and assumed a broader role as Director for Research Team of Corporate Planning Division in 2016 and Leader of Frontier Research Unit in 2017, Dr. Sonoda's passion in science and his talents in protein engineering contributed to establishing core platform technologies for JCR, notably J-Brain Cargo® technology, a blood-brain-barrier penetrating technology, currently applied to a series of in-house programs of therapeutic enzymes for lysosomal storage diseases as well as compounds of interest beyond rare diseases under partnership with other companies.

As Executive Director overseeing Research Planning Division, Dr. Sonoda presently focuses in the research of global therapeutic approaches to central nervous system-related disease conditions manifested in certain rare diseases and others, utilizing targeted-drug delivery technologies and gene therapy techniques developed in-house.

Dr. Sonoda received his PhD in Biochemical Engineering from Kobe University, Japan.



**Naureen A. Shaikh**

Founder, MMTI; Senior Faculty, UC Denver Family Medicine

Dr. Naureen Shaikh completed triple Honors Degrees in Biology, Anthropology-Zoology, and Religious Studies at University of Michigan. She earned her MD from Rush College of Medicine in Chicago, and graduated from Tufts University Family Practice Program in Boston where she did additional training in Complementary Medicine. Dr. Shaikh received fellowships from the AAFP and North American Primary Care Research Organization. She completed a "streetwise" MBA program through a scholarship awarded SBA Interise program. She published research and received teaching awards from Tufts University, the University of Chicago, the University of Michigan, and the University of California San Francisco and Stanford. She is currently Senior Clinical Faculty at the University of Denver Department of Family Medicine. Dr. Shaikh created the San Francisco Bay Area's first integrative health center and the west coast's patient integrating precision medicine center in its 15th year and also hosting the Marin AIHM meetings. She has provided medical services for veterans through various programs over that past 19 years and serves as community care director for the SFVA. Naureen has spearheaded mental health, addiction-recovery, primary care, health education, vaccine and technology efforts through her work on boards and committees for IPA, ACO, FQHC, and nonprofit entities including Rotary International. Receiving local and national awards, Naureen is public speaker and featured on national radio and in newspapers. Naureen serves the Marin Medical Reserve Corp, awarded for her service during the fires of Butte and Lake County.

Dr. Shaikh founded Mobile Medical Team International, a public charity providing medical education and relief to underserved populations internationally which has grown from treating and curing disease 1 patient at a time; to 60,000 at a time in local projects for the next tally and physically disabled, to 250,000 in urban slum and disaster response, to millions over 65 countries through the Diffusion free global health education games with Facebook's Internet.org. As CEO of MyType, Naureen and her 40-person team harness distributed ledgers, biometric, FINTECH HIT SAAS technologies to design an intelligent and transparent new model and four sided global market for evenly distributed healthcare that is evidence based and research driven. Dr. Shaikh is a global leader in human centered design and a regular participant at innovation, technology and global health forums.



**Syed Ahmed**

CEO, BracNet LTD

Syed Ahmed is a highly effective senior technology professional with 30+ years of management experience specializing in strategic business leadership, technology expertise and generating revenue growth. Expert at overseeing strategic planning, product roadmap development, lifecycle management, market analysis, business case development, market requirements definition and competitive product positioning.

Mr. Ahmed recently joined as the CEO of BRACNet Ltd., which started as a joint venture between DEFTA Partners and BRAC, the world largest NGO. In his current role, Mr. Ahmed is responsible for leading and developing the next generations ICT solutions innovator partner strategies and programs, in collaboration with BRACNet's overall product and go-to-market strategy. He is responsible for creating ethical and sustainable practices, policies, and business models that will support and align to business growth in humanitarian and social development programs and the economic development of rural communities in Bangladesh.

Prior to BRACNet, Mr. Ahmed held senior executive positions at Cisco Systems (23 years), IBM (7 years) and Nortel (7 years). Mr. Ahmed holds a B.Sc. in Electrical Engineering from Northeastern University, USA and an M.Sc. in Computer Engineering from North Carolina State University, USA.



**Srikanth  
Jadcherla**  
CEO,  
iMedrix Inc.

Srikanth Jadcherla is a well-known Low Power Electronics Guru, technologist, serial entrepreneur, investor and pioneering educator. He is an accomplished global executive who built profitable companies from the ground up and demonstrated pioneering engineering excellence with widespread impact. Almost all the mobile and consumer electronics in the world today use his work.

In his latest venture, Srikanth is bringing affordable access to healthcare to people all over the planet through iMedrix, initially focusing on heart disease.

Previously, Prof. Jadcherla was Group Director of R&D in the Low Power Verification Group at Synopsys. He joined Synopsys as part of the ArchPro acquisition, where he was founder and CTO. Archpro secured investment from Intel Capital and Entrepia. Most of the System on Chip ICs in the world today use his fundamental work on Voltage Aware Boolean Algebra.

Prof. Jadcherla was an IC designer and architect at companies such as WSI, Intel, Jasmine and Synopsys. Jadcherla received an Intel Achievement Award, Intel's highest honor, for his work on low power and is the author of 13 patents/applications.



**Khondaker A.  
Mamun**  
Founder & President,  
CMED Health;  
Founder & Director,  
AIMS Lab,  
United International  
University, Bangladesh

Khondaker A. Mamun received his Ph.D. in Computer and Biomedical Engineering from University of Southampton, UK. After that he worked as a Research Fellow at IBBME, University of Toronto, Canada. Since October 2014, he is working as an A/Professor and then Professor at the Department of Computer Science & Engineering, United International University (UIU), Dhaka, Bangladesh.

Prof. Mamun is the founder and president of CMED Health ([www.cmed.com.bd](http://www.cmed.com.bd)), a startup that focuses on health inclusion by enabling preventive and primary healthcare through IoT and AI based digital platform. CMED Health is the Winner of DBS-NUS Social Innovation 2018 (Singapore), SeedStarWorld Global Innovation 2018 (Switzerland), Bangladesh Innovation 2018 and many more.

Prof. Mamun is the founder and Director of AIMS Lab at UIU, where his team actively performs research on the application of AI and IoT in healthcare, disabilities, brain computer interface (BCI) and education. He has published more than 100 international journal and conference articles. He has invented and implemented a number of digital healthcare and rehabilitations service delivery model and mobile based solutions for developing countries. His research and innovation have been featured in local and international news outlets and recognized internationally as well as by the government of Bangladesh. Prof. Mamun is the organizer of the first medical engineering conference (MediTec 2016), first International Neuroscience School (IBRO APRC 2017) and the first Deep Brain Stimulation surgery for Parkinson's patients in Bangladesh.



**Muhammad Musa**  
Executive Director,  
BRAC International

Dr. Muhammad Musa is the Executive Director of BRAC International. He comes with an extensive background in leading humanitarian, social development, and public health organizations at national, international, and cross-cultural settings.

Previously, Dr. Musa served as the Executive Director of BRAC Bangladesh, where he successfully upheld BRAC's mission to eliminate poverty and inequality. Under his leadership, BRAC launched the Humanitarian Crisis Management Program in Cox's Bazar, Bangladesh, in August 2017, which has given BRAC a strong foundation to stand beside people in crisis anywhere in the world.

Prior to joining BRAC, Dr. Musa worked with CARE International for 32 years. Twenty of those years were spent working in Ethiopia, Uganda, South Sudan, Tanzania, Thailand, India, and Bangladesh. He also worked as the Asia Regional Director for CARE International for five years. Dr. Musa has been successful in bringing convergence of philanthropic approaches and entrepreneurial methodologies to create sustainable development programming that achieves impact on poverty at large scale.

Dr. Musa has a proven track record in strategic leadership, governing board management, and successfully chairing a financial institution and an information technology company in Bangladesh for four years. His expertise lies in external relationship management, brand-building, communications, and fundraising for development projects.

Being adept at people management and conflict resolution, Dr. Musa has established a reputation for leading complex organizational change processes in multicultural settings. He is known for his unique ability to attract and develop young professionals for humanitarian and social development leadership roles. He is also an internationally recognized senior management trainer.

Dr. Musa holds a Master's degree in Public Health from the Johns Hopkins University, USA, and a post-graduate diploma in Maternal and Child Nutrition from the Netherlands. He completed his Bachelor of Medicine and Bachelor of Surgery (MBBS) at Chittagong Medical College, Bangladesh.



**Takaaki Hirotsu**  
President & CEO,  
Hirotsu Bio Science Inc.

I have focused on research regarding the olfactory sense of *C. elegans* since my doctorate program. I am especially interested in neural mechanisms creating and regulating preferences toward smells.

In March 2000, my first paper was published in the journal *Nature*. My research on changing preferences based on odor concentrations and olfactory experience was reported in *Science* and sister journals of *Nature* and *Science*.

In July 2012, I was the first in the world to successfully create a visual representation of single protein activation in *C. elegans*. In May 2013, I began research on whether *C. elegans* can detect the smell of cancer cells, publishing my research in March 2015.

In September 2016, I established a venture company, Hirotsu Bio Science Inc., aiming for practical application of *C. elegans* cancer test “N-NOSE” and assumed office as CEO.



**Patrick Y. Yang**  
Former EVP of Technical  
Operations,  
Juno Therapeutics;  
Former Executive Vice  
President,  
Roche and Genentech

Pat Yang has been an independent consultant in the biopharmaceutical industry since his retirement from Genentech/Roche in 2013. Most recently, he re-entered the industry for 1.5 years to work as executive vice president and special advisor for Juno Therapeutics in 2017-2019.

Dr. Yang was Roche’s Global Head of Technical Operations from 2010 until his retirement in 2013. In this role, he was responsible for Roche’s pharmaceutical process development, engineering, quality, technical regulatory, supply chain and 21 manufacturing plants with approximately 15,000 employees around the world. He was previously executive vice president, Product Operations and member of the Executive Committee of Genentech, Inc. Dr. Yang joined Genentech in 2003 as vice president, Manufacturing and Engineering, and was promoted to senior vice president, Product Operations, in December 2004, then to executive vice president in January 2006.

Prior to joining Genentech, Dr. Yang served for 11 years at Merck & Company in various leadership positions including vice president of Asia Pacific Operations and vice president of Global Supply Chain Management. Prior to joining Merck in 1992, Yang spent 12 years at General Electric, serving in several research, engineering, technology, and manufacturing leadership roles with increasing scope of responsibilities. Before that, Dr. Yang spent five years in aerospace control systems research and development with Life Systems, Inc.

Dr. Yang holds a Bachelor of Science from the National Chiaotung University in Taiwan, a Master of Science from the University of Cincinnati, and a doctorate in engineering from Ohio State University.

Dr. Yang is a member of Board of Directors for three public companies: Codexis, Amyris, and PharmaEssentia. In addition, he is a board member of several private companies including Sana Biotechnology, Acepodia, Archigen Biotech, AbGenomics, and Taiwan Capital Management Company, the national investment arm of Taiwan.



**Jim Sergi**  
President,  
CSSi LifeSciences

Jim Sergi is President of CSSi LifeSciences, a global drug discovery and technology development company providing fully integrated, specialized regulatory and clinical services for pharmaceutical and medical device companies. Prior to this role, Jim held various positions in academic oncology and cancer research before co-founding ProED, a healthcare services and drug development company. Jim has been responsible for over 100 successful NDA/BLA submissions and over 250 medical device approvals. His academic and medical experience includes Director for the Department of Experimental Therapeutics at the Cleveland Clinic Cancer Center, Associate Professor of Medical-Surgical Nursing at the Case Western Reserve University and Lecturer for Oncology at Cleveland State University. He has authored over 50 peer reviewed publications and has numerous issued patents. Jim serves a scientific reviewer for the NIH SBIR/STTR Commercial Readiness Program, as well as a mentor to the NIH/NHLBI and the NIH Larta FeedForward programs. He also serves as a member of the Global Center for Health Innovation and the NorCoBio Task Forces, and as a scientific advisor to numerous private equity and venture backed investment firms, including Defra Partners.





**Pamela R. Contag**  
CEO,  
BioEclipse Therapeutics Inc.

Dr. Contag is an experienced senior executive for both public (President and CEO, Xenogen Corp., NASDAQ:XGEN), and private companies and is currently the CEO of BioEclipse Therapeutics. BioEclipse is entering a phase1, first in human clinical trial with a combination drug for therapy refractory solid tumors. While serving as CEO of Xenogen, the company twice received the R&D 100 award for achievements in Physics and Dr. Contag was named one of the "Top 25 Women in Small Business" by Fortune magazine. She was also awarded the Northstar Award from Springboard Enterprises. As CEO of BioEclipse she was named in the top 100 most intriguing entrepreneurs of 2018 by Goldman Sachs. In 2011, Pamela was appointed by the White House to the Founding Board of the Startup America Partnership, an organization envisioned by the Case and Kauffman Foundations and The White House to identify, encourage and celebrate all entrepreneurs. Pamela was a National Director of Springboard Enterprises, a National Business Accelerator. She received her M.S. and PhD from the University of Minnesota Medical School in Microbiology and Immunology and completed her Postdoctoral Fellowship in 1993 at the Stanford University School of Medicine. With over 60 publications and 40 patents.



**Yuan Gao**  
Chairman and  
Co-Founder,  
Singlera Genomics, Inc.

Dr. Yuan Gao is President & CEO of Med Data Quest, a healthcare AI company; Dr. Gao also co-founded and is Chairman, President of Singlera Genomics. Before becoming a full-time entrepreneur in 2013, he was director of genomics, epigenomics, and bioinformatics program at Lieber Institute for Brain Development and Associate Professor of biomedical engineering at John Hopkins University.

Some Research Highlights is listed below:

1. In 2008, collaborating with Professor Dennis Lo at the Chinese University of Hong Kong, the team published the seminal paper on non-invasive prenatal diagnosis of Down's Syndrome using pregnant mother's blood. "Time Magazine" ranked this breakthrough as one of the top ten medical breakthrough in 2008.
2. 2009, collaborating with professor Kun Zhang of UCSD, the team developed an efficient targeted DNA methylation analysis technology BSPP that was published on the cover of Nature Biotechnology.
3. 2012, Science magazine published a research paper by professor George Church, Dr. Yuan Gao and, Dr. Sriram Kosuri that used large-scale DNA synthesis techniques of synthetic biology to invent a DNA information archiving system, all without the use of cells.



**Mark J. Ratain**  
Leon O. Jacobson Professor  
of Medicine,  
Director, Center for  
Personalized Therapeutics,  
The University of Chicago

Dr. Ratain is a graduate of Harvard College (A.B., 1976) and Yale University School of Medicine (M.D., 1980), and completed postgraduate training at Johns Hopkins and the University of Chicago Hospitals. He is currently the Leon O. Jacobson Professor of Medicine, Director of the Center for Personalized Therapeutics Chief Hospital Pharmacologist, and Associate Director for Clinical Sciences in the University's Comprehensive Cancer. Dr. Ratain is also one of the cofounders of Vi3C (Value in Cancer Care Consortium, [www.vi3c.org](http://www.vi3c.org)), and currently serves as its Director and Treasurer.

Dr. Ratain's research has included studies of numerous oncology drugs and diagnostics, and has recently created the new discipline of interventional pharmacoeconomics. He is an international leader in clinical trials and pharmacogenomics, with over 500 publications. He is the recipient of multiple awards, including the Research Achievement Award in Clinical Pharmacology and Translational Research from the American Association of Pharmaceutical Scientists, the Rawls-Palmer Progress in Medicine Award from the American Society for Clinical Pharmacology and Therapeutics, the Translational Research Professorship from the American Society of Clinical Oncology, a Honorary Fellowship from the American College of Clinical Pharmacology, and the Award in Clinical Excellence from the Pharmaceutical Research and Manufacturers Association Foundation.



**Tomoki Todo**

Professor, Division of Innovative Cancer Therapy and Department of Surgical Neuro-Oncology, The Institute of Medical Science, The University of Tokyo

Dr. Todo received his M.D. from the University of Tokyo in 1985 and his Ph.D. in Medical Science from the University of Tokyo in 1994. Following his clinical training in neurosurgery, he served as Staff Neurosurgeon at the International Medical Center of Japan from 1989 through 1995. Dr. Todo received a Board Certification from Japan Neurosurgical Society in 1993.

In 1995, Dr. Todo joined the Department of Neurosurgery at Georgetown University Medical Center (Washington, DC), and served as Research Assistant Professor from 1998, where he focused his research on oncolytic virus therapy using herpes simplex virus type 1 (HSV-1). From 2000, Dr. Todo served as Assistant Professor of Neurosurgery at Massachusetts General Hospital and Harvard Medical School (Boston, MA). In 2003, he returned to Japan as Assistant Professor of Neurosurgery at the University of Tokyo. From 2008, Dr. Todo served as Professor and Vice Director of Translational Research Center at the University of Tokyo Hospital. He has assumed his current position since July 2011.

Dr. Todo is one of the pioneers in the field of clinical development of oncolytic HSV-1. Dr. Todo's accomplishments include the discovery of the induction of systemic antitumor immunity by oncolytic HSV-1. Dr. Todo developed a triple-mutated, third-generation oncolytic HSV-1 (G47Δ) that currently awaits New Drug Application in Japan. His research further includes development of new-generation, "armed" oncolytic HSV-1 and their use in a variety of cancer.



**Haruo Sugiyama**

Specially Appointed Professor, Osaka University Graduate School of Medicine

Haruo Sugiyama graduated from Osaka University School of Medicine (M.D.) and received Ph.D. degree from Osaka University in tumor virology (1979). Then, he moved to internal medicine and specialized in immunology and hematology. He was appointed Professor, Osaka University Graduate School of Medicine in 1995 and he is now appointed Specially Appointed Professor, Osaka University Graduate School of Medicine.

He invented a clinical test that made it possible to detect only one leukemic cell in 100,000 normal peripheral blood cells in 1994. This test becomes an essential test to treat acute leukemia and myelodysplastic syndrome, is covered by national health insurance, and is exported to EU. By this research achievements, he was honored by 2011 Princess Takamatsu Cancer Research Fund Prize.

Furthermore, he discovered that WT1 protein is a ubiquitous tumor-associated antigen for leukemia and almost all types of solid tumors, and he invented WT1 cancer vaccine. National Cancer Institute, USA evaluated 75 popular tumor-associated antigens (TAAs) for the clinical utility and ranked WT1 antigen as a top among 75 TAAs (2009). He started for the first time (First - in - Man) a phase I clinical study of WT1 cancer vaccine in 2002. Until today, over 850 patients with AML, CML, MDS, multiple myeloma, glioblastoma multiforme, lung, breast, pancreatic, colon, gynecological, thyroid, renal cancers, malignant mesothelioma, or childhood malignancies such as rhabdomyosarcoma were WT1-vaccinated and had sufficient clinical effect without significant adverse effect. Global clinical studies of WT1 cancer vaccine are being performed by pharmaceutical company for the governmental approval of the medicine. Furthermore, more than 10,000 patients with advanced cancer have been receiving WT1 peptide-pulsed or WT1 mRNA-electroporated dendritic cell therapies. He also has a strong interest in the use of this vaccine as cancer prophylactic vaccine.



**Toshio Nakami**

The Advocate for the Cancer Eradication Summit

Writer and journalist. Born in Okayama Prefecture, Japan.

He has been trained martial arts by his father since childhood. He was passionate about Aikido in his school days. His teacher was the legendary master, Mr. Hirokazu Kobayashi.

After working for a TV Station, he has been working actively as a writer and journalist, until present.

He has published United Nations related books. Especially, first in history, he deciphered the Newton's secret document and published it. In addition, he published over 60 books in Japanese historical novels. He is known as the leading figure of Japanese cryptography novels.

He was the former adviser to the Global Forum which is the Advisory Body to the United Nations Economic and Social Council.

This organization is attracting attention: They made Mother Teresa meet directly with Dalai Lama for the first time in the world, who were both the Nobel Peace Prize winners. The Global Forum also held conferences on global environmental issues for the human survival at the Oxford University and the Kremlin.

Since September 2013 until today, he has been advocating the cancer eradication summit.



Dr. Izumi has served the Japanese Government as Special Advisor to the Prime Minister, responsible for Building National Resilience, Overcoming Population Decline and Vitalizing Local Economy, Healthcare Policy and Science, Technology and Innovation Policy since 2013. Prior to his current position, he served as Special Advisor to the Cabinet from 2012, and as Director-General at the Regional Revitalization Bureau in the Cabinet Secretariat from 2009. Mr. Izumi started his career in 1976 at the Ministry of Construction, and has served in various posts such as Director-General at the Housing Bureau from 2007-2009. Dr. Izumi, born in Kanagawa Prefecture in 1953, is a graduate of Tokyo University and has a doctorate degree in Engineering. In addition, he is a Visiting Professor at National Graduate Institute for Policy Studies.

**Hiroto Izumi**

Special Advisor to the Prime  
Minister of Japan;  
Director-General, Office of  
Healthcare Policy,  
Cabinet Secretariat

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**Master of Ceremonies**

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Kevin McCormack is the communications director at CIRM, the state's stem cell agency. He considers himself to be the official translator for the agency, working to turn complex language about equally complex science into everyday English that anyone can understand. Before joining the agency he spent more than 20 years working as a journalist, most of that in TV news here in San Francisco.

**Kevin McCormack**

Senior Director, Public  
Communications & Patient  
Advocate Outreach,  
CIRM

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## Speakers: Wednesday, October 30, 2019 (AM Session)

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**Satoshi Imamura**  
Vice President,  
Japan Medical Association

Dr. Satoshi Imamura graduated the Akita University Faculty of Medicine in 1977. His specialty is anesthesiology. He firstly worked as resident in the Mitsui Memorial Hospital in 1977 to 79. He worked for the Hamamatsu University School of Medicine from 1983 to 1987. After that he served as department chief of the Shizuoka General Hospital. He has been working as Director of Imamura Clinic since 1991. He was serving as a Board Member of the Tokyo Medical Association in 2004 to 2006. He was also serving as an Executive Board Member of the Japan Medical Association (JMA) in 2006 to 2012. He has been working as Vice-President of the JMA since 2012. At the JMA, he is mainly in charge of general affairs, health policy, financial affairs, member's welfare, pension, taxation policy and public health. He is a core member of many important committees of the Ministry of Health, Labor and Welfare related to the restructuring of the social security system, cancer screening system, advanced clinical training program and others. He is also involved in the areas as a committee member of the public organizations for health protection of the workers such as the industrial health program, life-style related diseases control, safety in the work place, and many others.



**Kazumi Nishikawa**  
Director, Healthcare  
Industries Division, Commerce  
and Service Industry Policy Group,  
Ministry of Economy, Trade and  
Industry, Japan

Kazumi Nishikawa is Director, Healthcare Industries Division, of METI (Ministry of Economy Trade and Industry) of Japan. He is a member of Global Future Council for Human Enhancement and Longevity, WEF. Prior to his current appointment, Mr. Nishikawa held various positions in METI over a period of 23 years, including Director for Trade Strategy to cover trade strategy and global growth strategy of Japan, Executive Director of JETRO Singapore/Special Advisor to the Minister's Secretariat of METI to cover Asian economic integration, Director for Policy Planning in the Economic and Industrial Policy Bureau to coordinate the Growth Strategy of "Abenomics" Policy, Principle Deputy Director of Minister's Secretariat, WTO negotiator, and Deputy Director for SME Finance. He has also worked in the Defense Ministry and Cabinet Office. Mr. Nishikawa holds a law degree from the University of Tokyo, an LLM from Northwestern University School of Law, and an LLM for International Study from Georgetown University Law Center. He had qualification as an Attorney at Law in New York state, USA.



**Regis Kelly**  
Director,  
QB3

Dr. Regis B. Kelly is the Director of QB3, one of the four California Institutes for Science and Innovation. The QB3 innovation team converts discoveries into practical benefits for society. As Director, Dr. Kelly helped launch two QB3-associated companies, QB3@953, a Life Sciences Startup incubator and Mission Bay Capital, a venture fund. As a result of his experiences, Dr. Kelly was seconded as Senior Advisor on Innovation and Entrepreneurship to the President of the University, Janet Napolitano in 2014 and 2015.

Prior to joining QB3 in 2004, Regis Kelly served as executive vice-chancellor at UCSF and Chairman of the Department of Biochemistry and Biophysics. He holds the inaugural Byers Family Distinguished Professorship. His academic research was in the field of molecular and cellular neurobiology. His training was at Harvard, Stanford, Caltech and the University of Edinburgh. He has served on many national and international boards. In 2014 he was appointed an officer of the Order of the British Empire (OBE) for services to science, innovation, and global health.



**Anil Bhushan**

Professor,  
UCSF  
School of Medicine

Anil Bhushan obtained his PhD in biophysics from UC Davis and carried out postdoctoral work at the Salk Institute and Institute Curie. Anil Bhushan led a lab at UCLA for 10 years on studying pancreatic beta cells and regenerative therapies for diabetes. In 2014 he moved his lab to UCSF and the focus on the lab is on how immune surveillance and accumulation of senescent cells in autoimmune diseases.



**Anthony J.  
Covarrubias**

Postdoctoral Fellow,  
Verdin Lab,  
Buck Institute

Anthony J. Covarrubias is a postdoctoral fellow exploring the links between inflammation and aging at the Verdin Lab. He studies how the innate immune system regulates metabolite levels such as NAD during aging. Anthony grew up in Los Angeles and earned his undergraduate degree in Biochemistry from UCLA. He holds a PhD from Harvard University studying how nutrient sensing and nutrient levels impact inflammation during obesity and metabolic disease.



**Irene Griswold-  
Prenner**

CEO & CSO,  
Nitrome Biosciences

Irene Griswold-Prenner, CEO/CSO was previously a Cofounder and the CSO of Imago Pharmaceuticals. Imago, a privately held pharmaceutical company, engaged in development of drug candidates directed against JNK for fibrosis and neurodegenerative disease treatment. Imago acquired Elan Pharmaceuticals' preclinical assets, including JNK, from which all assets were developed and partnered or sold to biotech or pharmaceuticals to continue their development into clinical trials. Dr. Griswold-Prenner previously led iPierian's research efforts when value creation was realized for up to \$725 million from the BMS acquisition of iPierian for IPN007, the first tau therapeutic antibody to begin human testing. IPN007 has now been purchased by Biogen for up to \$1.4 billion and is progressing in pivotal trials for PSP and Phase 2 for AD. IPN007 is also the first drug candidate in to clinical trials where the discovery originated from an iPSC approach. Previously Irene worked at Elan Pharmaceuticals, contributed to Alzheimer's disease, Parkinson's disease and Multiple Sclerosis Programs. She received her BA from Colorado University in Molecular, Cellular and Developmental Biology and Ph. D. from University of Chicago in Physiology and Cellular Pharmacology.



**Robert Klein**  
Chief Business Officer,  
Alkahest, Inc.

Robert is a business development professional with over two decades' experience in the biotechnology, diagnostics, and genomics spaces. He has spent approximately half his career working in neuroscience drug development as both a scientist and a BD professional. Most recently, Robert served as Chief Business Officer at Complete Genomics. Prior to that, Robert held positions of CEO at iKaryos Diagnostics, CSO at Amnestix, Sr. Director BD at Rinat Neuroscience, and VP of Business and Technology Development at Deltagen and played an integral role with each of these companies exiting through either M&A or IPO. Robert started his career at Genentech where he was a post doc and scientist in the Neuroscience Department. Robert obtained his PhD in biology from MIT and his A.B. in biochemistry from UC Berkeley.



**Jonathan Norris**  
Managing Director,  
Life Science & Healthcare  
Practice,  
Silicon Valley Bank

Jonathan Norris is a managing director for the healthcare and life science practice for Silicon Valley Bank. Norris oversees business development efforts for banking and lending opportunities as well as spearheading strategic relationships with many life science and healthcare venture capital firms. He also helps SVB Capital through sourcing and advising on limited partnership allocations.

In addition, he speaks at major investor and industry conferences and authors widely cited analyses of healthcare venture capital trends. Norris has more than sixteen years of banking experience working with healthcare companies and venture capital firms.

Norris earned a bachelor's degree in business administration from the University of California, Riverside and a juris doctorate from Santa Clara University.



**Elona Baum**  
Managing Director,  
DEFTA Partners

Elona Baum is a Managing Director of DEFTA Partners and heads the investment function for its healthcare technologies fund. The fund focuses on early stage investments in innovative therapeutic and digital health technologies. Ms. Baum's career spans more than 20 years in drug development, initially at Genentech and then at the California Institute for Regenerative Medicine (CIRM). She has held leadership roles in business development, legal and regulatory. In this capacity she oversaw \$1 billion of investment in regenerative medicine research and clinical programs, the creation of a \$40M induced pluripotent stem cell bank and a re-vamping of intellectual property regulations governing CIRM grants. At Genentech Ms. Baum managed legal matters relating to Raptiva and the company's Spanish subsidiary while also engaging in matters of regulatory policy and strategy. Ms. Baum currently serves as a Director on the board of Endogena and the Cancer Prevention Institute of California.



**Karl Handelsman**

Director, Investments,  
Roche Venture Fund

Karl Handelsman is an early stage biotech venture capitalist that has invested in over three dozen companies. Karl specializes in moving early academic insights into startup companies that can translate them into important clinical candidates. There has never been a larger pool of exciting scientific discoveries with great promise to create breakthroughs in human health and even consumer products. Yet, picking out the most important innovations and matching them with the appropriate talent and resources remains a challenge.



**Carrie Shiao**

Vice President, Healthcare  
Investment Banking,  
BTIG

Dr. Carrie Shiao is a Vice President within the Healthcare Investment Banking team at BTIG, where she advises companies in raising capital and considering strategic opportunities. Prior to BTIG, she held a role in BioOncology Account Management marketing at Genentech. Earlier in her career, Dr. Shiao was a Management Consultant at McKinsey, and a Senior Associate in equity research at Wedbush PacGrow Life Sciences. She earned a PhD in chemical biology from the University of California, San Francisco and an undergraduate degree in biochemistry from the University of California, Berkeley.



**George Ugras**

Managing Director,  
AV8 Ventures

Dr. Ugras is a managing director with AV8 ventures in Palo Alto. AV8 is a \$180mil early stage fund investing in early stage start-ups. Prior to launching AV8 Dr Ugras led IBM Ventures, where he established IBM's engagement with innovators globally to include venture investments, strategic partnerships, and an innovation hub. He has been a financial venture investor for 20 years in first including ACM and Apax Partners. He has founded start-ups including Cytegen in the therapeutics arena and served as advisor and director to a number of venture-backed companies. Dr. Ugras holds a Ph.D. in Applied Physics from Yale and was a research fellow at CalTech.



**Travis Whitfill**

Partner,  
Bios Partners

Travis Whitfill is a Partner at Bios Partners. His background began in molecular biology and biochemistry after receiving scientific training at the MD Anderson Cancer Center and Duke University. He is the co-founder of several startup companies, including Azitra Inc. and several biotech and healthcare startups. He is currently the CSO of Azitra. He brings strong background in entrepreneurship and business and was recently acknowledged as Forbes' 30 Under 30 in 2018. He's also the Senior Analyst at Bios Research, which brings experience in public markets, and drug development to support venture capital investments. He also is an Associate Research Scientist in the Departments of Pediatrics and Emergency Medicine at Yale University. Mr. Whitfill has led numerous grant-funded projects, holds several patents, and has co-authored over three dozen publications. Mr. Whitfill received degrees from Yale University (MPH) and Dallas Baptist University (BS) and is working on a PhD from University College London.



**Toshio Fujimoto**  
General Manager of Shonan  
Health Innovation Park,  
Takeda Pharmaceutical  
Company Limited

Toshio Fujimoto is the General Manager of Shonan Health Innovation Park (iPark), a science park launched by Takeda Pharmaceutical Company Ltd in Shonan, Japan in April 2018. In his current role, Dr. Fujimoto provides strategic leadership and oversight for all key iPark activities. He implements the iPark's vision to be an open innovation ecosystem which builds meaningful collaborations with academia, biotech, pharma companies, and the government.

Dr. Fujimoto received his MD from Kyoto University and his MBA from Kobe University. He began his clinical practice as a Resident at the Department of Thoracic Surgery at Kyoto University Hospital. After completing several rotations at local area hospitals, he took a position in Germany as an Assistant Surgeon with the Thoracic Surgery Department at Ruhrlanklinik Hospital, and later moved to the U.S. to serve as Clinical Fellow, General Thoracic Surgery at the Mayo Clinic.

Prior to joining Shonan iPark, Dr. Fujimoto held positions with increasing responsibility at Eli Lilly Japan. Most recently he was Vice President of the Medicine Development Unit, where he oversaw the R&D Management function in Japan.

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## Speakers: Wednesday, October 30, 2019 (PM Session)

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**Yuuki Watanabe**  
President & Managing  
Board Member,  
Sysmex R&D Center  
Americas, Inc.

Dr. Yuuki Watanabe is President of Sysmex R&D Center Americas, Inc. (RDCA), which is an affiliate company of Sysmex corporation. Sysmex is a leading company in the field of in-vitro diagnostic testing. RDCA was incorporated this year to enhance our IVD technology developments and expand our R&D field to emerging technologies.

Prior to joining Sysmex corporation, Dr. Watanabe worked for Sony corporation. He started his career as a research scientist, then went on to be a product development leader and a strategist in the field of bio/medical business.

Dr. Watanabe held a post-doctoral position at The Institute of Solid State Physics at the University of Tokyo. He obtained his Ph.D. from Osaka University in statistical physics, and a B.S. in particle physics from Kyoto University.



**Rachel Clemens**  
Commercial Innovation  
Manager,  
ISS National Lab

Rachel Clemens has focused her career on advancing life science research and product development through experiments in space. In her current role as a Commercial Innovation Manager at the ISS US National Lab, she brings life science research to low earth orbit. She leads partnership development specifically with life science companies – from biotech start-ups to large pharmaceutical companies. She is eager to entertain even the craziest of ideas and passionate about finding novel solutions to Earth-bound problems.

In addition to working at the National Lab, Rachel is active professionally as a Project Manager at the Rare Genomics Institute, which connects rare disease patients around the world, providing tools and support to the greater rare disease community. She is based in San Francisco, CA where she blazes trails on foot, conquers hills by bike, and bravely hosts dinner parties in her micro studio.





**Devin Ridgley**  
Chief Biologist,  
SCORPIO-V Division,  
HNu Photonics LLC

Dr. Devin Ridgley is the Chief Biologist for the SCORPIO-V Division of HNu Photonics. Dr. Ridgley leads the research and development team to design innovative research equipment for the International Space Station National Lab (ISS-NL). He works with scientists and engineers within the SCORPIO-V team to design, fabricate, test and validate the BioChip Suborbital Lab (BioSOL), Mobile SpaceLab (MoSL) and BioChip SpaceLab (BCSL) platforms for physical and life science microgravity interrogations on suborbital vehicles and/or the ISS-NL. Dr. Ridgley serves as a principal investigator for the validation tests of the BioSOL platform within Blue Origin's New Shepard vehicle, for a NASA sponsored investigation within MoSL to delineate the effects of microgravity on neuron intracellular vesicle trafficking and for a CASIS sponsored investigation within BCSL to delineate the effects of microgravity on neurogenesis.

Prior to joining HNu Photonics, Dr. Ridgley was a postdoctoral fellow at UIC investigating the effects of amyloid- $\beta$  oligomer induced dysfunction within glial and neuronal cell lines to delineate some of the early effects of Alzheimer's Disease. Dr. Ridgley received his B.S. from the University of Missouri and his Ph.D. from Virginia Tech in Biological Engineering.



**Arun Sharma**  
Research Fellow,  
Cedars Sinai Medical  
Center

Dr. Arun Sharma is a stem cell biologist focusing on cardiovascular biology and drug development. Dr. Sharma's research focuses on the applications of induced pluripotent stem cells (iPSCs) for studying cardiovascular biology, modeling diseases "in a dish" with genome editing technologies such as CRISPR/Cas9, and developing high-throughput platforms for screening drug toxicity and efficacy. He developed and led a project that sent human iPSC-derived heart cells to the International Space Station to study the effects of microgravity on human heart function. Dr. Sharma has trained at leading institutions (Harvard, Stanford, and Duke University) and has received multiple awards for his work, including the Forbes 30 Under 30 in Science, STAT Wunderkinds, National Science Foundation Graduate Research Fellowship, and American Heart Association Research Fellowship. Finally, he is an advocate for conveying science to the general public through public speaking and social media.



**Jana Stoudemire**  
Commercial Innovation  
Officer,  
Space Tango

As the Commercial Innovation Officer at Space Tango Jana leads the development of commercial market creation in Low Earth Orbit (LEO) for biomedical and technology research and manufacturing applications. Before transitioning to the Space industry, Jana worked for over two decades with a variety of leading biotechnology, pharmaceutical and medical device companies. She has a strong understanding of the needs and challenges faced by companies working within a regulated industry and experience working in both emerging and established global markets spanning a variety of healthcare indications. Spending the majority of her career in the San Diego biotechnology community, Jana has an in-depth understanding of what drives innovation from her work in San Diego and with major pharmaceutical and device companies across the globe. In addition to a strong technical background, Jana has a career history marked by successful identification of new business opportunities for private and public healthcare companies, along with product development and global commercialization of some of the most innovative healthcare technologies. She transitioned from pharma to lead life science research in microgravity for three years as part of the team managing the International Space Station U.S. National Laboratory (ISS-NL) prior to joining Space Tango to focus on building an emerging market on orbit representing a new sector of the Space economy. Jana received her Bachelor's degree in biology/physics from Wells College, and her Master's degree in biology from Harvard University.



**Takashi Narusawa**

Executive Officer,  
Pharmaceutical Business  
Unit,  
Kowa Company, Ltd.

Takashi Narusawa has been serving as Senior Manager of Portfolio Management Department at Kowa Company, Ltd., a Japanese pharmaceutical company in Tokyo, since April 2019. He supervises R&D groups and Business Development group to maximize efficiency of the company asset.

Before taking this role in Japan, he served as Director of International Sales and Marketing for Europe and Middle East in Rx and Self Medication fields at Kowa Company, Ltd.,

He also served as a product marketing manager for dietary supplements and medical devices at Kowa Healthcare America, Inc., which is a subsidiary of Kowa Company, Ltd., located in Los Angeles US for 2.5 years. During such time, he developed science-based marketing strategy and supported to successfully launch 4 dietary supplements and a medical device at major retail stores (e.g. Walgreen and Rite Aid) and also as direct response business such as TV and website sales.

He had been a project manager for clinical trials of prescription drugs in Europe for 7 years based in the UK. He had been involved in clinical development of the products for dyslipidaemia, hepatic cancer and rheumatoid arthritis.

He is using these experiences of science and marketing at both Rx and self medication fields in his current role to maximise the company's asset in R&D and business development field.



**Maria Millan**  
President & CEO,  
CIRM

Dr. Maria Millan is a physician-scientist who has devoted her career to treating and developing innovative solutions for children and adults with debilitating and life-threatening conditions. After receiving her undergraduate degree from Duke University where she first entered the arena of immunology research, she returned to her home in New Jersey where she obtained her M.D. degree and then went on to complete her surgical training and post-doctoral research in Boston at Harvard Medical School – Beth Israel Deaconess Medical Center. After a transplant surgery fellowship at Stanford University School of Medicine, she began her academic career with a busy pediatric and adult transplant surgery practice focused on technical advancements and optimization of patient outcomes. In parallel, she continued her bench research at Stanford and was promoted within 5 years to associate professor and director of the Pediatric Organ Transplant Program. She served on multiple leadership teams including the Faculty Senate and the Dean's faculty committee at Stanford University School of Medicine and served on the Children's Hospital operations committee. She has published in the areas of cell biology, immunology and clinical organ transplantation.



**Marcie Glicksman**  
Chief Scientific Officer,  
Orig3n

Marcie Glicksman, Ph.D. is the Chief Scientific Officer at ORIG3N. For the past 30 years, Dr. Glicksman has been dedicated to developing better therapeutics for the nervous system and other therapeutic areas. Her efforts have resulted in 8 drugs entering the clinic, 2 marketed drugs. She worked in the bio-pharmaceutical industry for 13 years and then was on the faculty for ten years at Harvard Medical School and Brigham and Women's Hospital and Co-Directed the Laboratory for Drug Discovery in Neurodegeneration (LDDN). In her career, she has led multiple advanced therapeutic programs including drug candidates that were tested in the clinic. She is on the science advisory board for the Alzheimer's Drug Discovery Foundation (ADDF) and regularly reviews grants for NIH, Department of Defense, Alzheimer's Association, and other foundations. Dr. Glicksman received a bachelor's degree from Brown University and a Ph.D. degree in Neuroscience from Washington University. Dr. Glicksman has over 80 publications and 16 issued patents.



**Sean Ainsworth**

Chief Executive Officer,  
Immusoft

Sean Ainsworth is Immusoft's Chief Executive Officer and Chairman of the Board. He has 20 years' experience in pharmaceuticals and biotechnology. Previously, he founded and led RetroSense Therapeutics, a gene therapy company he advanced into human clinical trials and sold to Allergan in 2016 in a deal valued at up to \$555 million.

Earlier, he was deeply involved in the launch of Compendia Bioscience, Inc., and GeneVivo, LLC. At both he assisted in developing business models, licensing technologies, building management teams, and securing capital and first customers. Life Technologies acquired Compendia BioScience in 2012.

Sean founded Ainsworth BioConsulting in 2004 to provide licensing, as well as strategic and business planning services to the life science and entrepreneurial community. His clients included large pharma, small biotechs, universities, CROs, and venture investment funds. He has worked with clients at all stages of development.

His other professional experience includes research at Medical Biology Institute (now Avanir Pharmaceuticals, developers of Abreva, the leading cold sore medication) in San Diego, Calif., intellectual property at Koyama and Associates in Tokyo, and international corporate development consulting at The Mattson Jack Group in St. Louis, Mo.

Sean earned an M.B.A. in strategy and finance from Washington University in St. Louis. He holds a B.S. in Microbiology from University of California, San Diego.



**Yasushi Kajii**

Head of T-CiRA Discovery,  
Takeda Pharmaceutical  
Company Limited

Yasushi Kajii obtained his Ph.D. degree in applied biological chemistry from The University of Tokyo. He was engaged in research for neuropsychiatric diseases at National Center of Neurology and Psychiatry of Japan and subsequently started his career in the pharmaceutical industry of Mitsubishi Tanabe Pharma Corporation as a research scientist in molecular and cellular neuro psychopharmacology. He then joined AbbVie Japan as Head of Neuroscience in the Medical Affairs function. Since 2014, he had served as Head of Neuroscience Medical Franchise in Novartis Japan and then joined Takeda in April 2019. Now he manages a research unit, T-CiRA Discover at Takeda, which is 100% committed to T-CiRA program where academia-industry bidirectional and collaborative researches on innovative medicines with iPSC technologies are conducted together with Center for iPS Cell Research and Application (CiRA) of Kyoto University. Over one hundred people join the program, including Takeda researchers and academic scientists from CiRA, Riken and Tokyo Medical and Dental University. T-CiRA program is conducted at Shonan iPark (Kanagawa, Japan) and Professor Shinya Yamanaka at CiRA of Kyoto University is the Program Director.



**Hideyuki Okano**

Dean,  
Keio University Graduate  
School of Medicine

Hideyuki Okano received M.D. in Physiology from Keio University in 1983. After he obtained Ph.D. degree from Keio University in 1988, he held post-doctoral position at Johns Hopkins University Medical School. He has appointed full professors at Tsukuba University School of Medicine in 1994, Osaka University School of Medicine in 1997, and returned to Keio University Medical School in 2001 as a full professor of Physiology. Since 2007, he has been a Dean of Keio University Graduate School of Medicine or a Dean of Keio University School of Medicine. He has been conducting basic research in the field of regenerative medicine including, neural stem cells and iPSC cells, spinal cord injury, developmental genetics and RNA binding proteins. He has awarded numbers of awards and honors including the Medal with Purple Ribbon in 2009 and the first prize of the 51<sup>st</sup> Erwin von Bälz Prize in 2014. He aims to establish and provide patients-specific iPSC cells and genetically modified non-human primate models for neuroscience research and to explore the pathogenic mechanisms of neurological/psychiatric disorders. Currently, he is the leader of Brain Mapping Project in Japan (Brain/MINDS).



**Matthias Steger**  
CEO,  
Endogena Therapeutics

Matthias Steger is CEO of Endogena Therapeutics Inc., a new biotech company focusing on the discovery and development of endogenous regenerative medicines. Prior to Endogena, he worked 18 years in the field of drug discovery, most recently as Global Head of Research & Technology Partnering, at Roche, setting up and managing > 50 collaborations and acquisitions for novel drug modalities, new drug discovery technologies, as well as enabling technologies, such as translational models, biomarkers, and drug delivery/formulation. Matthias has also lead and implemented various corporate strategies exploring novel drug discovery approaches, and as such has initiated and built up Roche's stem cell research.

In addition, Matthias worked as an independent consultant for various biotech companies, academic institutes and venture capital firms, exploring novel drug discovery – and partnering / investment strategies. He also has prior entrepreneurial experience by building up a pioneering orphan GPCR drug discovery company, which lead to a successful acquisition. Matthias started his career in research, as a medicinal chemist at Roche, exploring novel platforms and drug design approaches, as well as traditional drug discovery programs. He also gained a financial perspective of the industry as an investment banking analyst at Kepler Equities.

He served as an executive board member of the Alliance for Regenerative Medicine (ARM), as well as the chair of the industry committee of the International Society of Stem Cell Research (ISSCR). Matthias has a Diploma in Organic Chemistry (University of Zürich, Switzerland), and a PhD in Medicinal Chemistry from the University of Sussex, UK, as well as an MBA from HSG (St. Gallen, Switzerland).



**Judy Chou**  
Senior Vice President and  
Global Head of Biotech,  
Bayer Pharmaceutical

Dr. Chou currently heads Bayer's global pharmaceutical biotech organization overseeing the development, manufacture and distribution of Bayer's biologic product portfolio. In addition, she serves as the site head for Bayer's facility in Berkeley, CA. She is well recognized by the biomedical industry and received the *San Francisco Business Times*' Most Influential Women in Business Award in 2018.

Beside of her leadership in technical operations, throughout Dr. Chou's career, she has achieved significant milestones in protein therapeutic development and multiple filings of BLAs, NDAs, and INDs of novel products at Bayer, Genentech, Wyeth, Abbott, Tanvex, Medivation, and Pfizer, and is recognized for her work especially in the development of breakthrough high-throughput technologies in analytical characterization and accelerated process and formulation development.

Before joining the industry, Dr. Chou was a research faculty member at Harvard University Medical School, focused on cell biology and neuroscience research. Dr. Chou obtained her Ph.D. from Yale University and completed her post-doctoral training at Max-Planck Institute in Germany.



**Dana Dornsife**  
Founder and Board Chair,  
Lazarex Cancer Foundation

Dana Dornsife is President and Founder of Lazarex Cancer Foundation, a nationwide non-profit organization she founded in 2006. The unique mission of Lazarex is to improve the outcome of cancer care, giving hope, dignity and life to advanced stage cancer patients and the medically underserved by providing assistance with costs for FDA clinical trial participation, identification of clinical trial options, community outreach and engagement. In 2016, Dana expanded the mission at Lazarex to bring sustainable and transformational change to the bench to bedside process of clinical trial enrollment, retention, minority participation and equitable access with **IMPACT (IMproving Patient Access to Cancer Clinical Trials)**. Dana is a graduate of Drexel University in Philadelphia and launched several businesses prior to migrating to the non-profit sector. She also serves on several Boards.

Most recently, Lazarex created collaboration around a public health initiative in Philadelphia, PA – Community IMPACT. This bold initiative is aimed at creating a replicable model to transform cancer health outcomes and associated co-morbidities for the residents of medically underserved and socioeconomically challenged minority neighborhoods throughout major metropolitan cities and beyond.



**Jonathan Thomas**  
Chair, Governing Board,  
CIRM

Dr. Jonathan Thomas (“JT”) has been Chair of the Governing Board of the California Institute for Regenerative Medicine (“CIRM”) since June 2011. Prior to that he was a Co-Founding Partner at Saybrook Capital, an investment banking and private equity firm based in Santa Monica, California.

Long interested in the biological sciences, JT majored in Biology and History at Yale, where he graduated summa cum laude. As a George C. Marshall Scholar at Oxford, he then earned a PhD with a medical focus in Commonwealth History. He subsequently returned to Yale for a JD at the Yale Law School. While there, he retained an involvement with biology by teaching courses on the legal implications of genetic engineering and the impact of disease on history.

Over the course of his career before CIRM, he has been in law (including clerking for the White House Counsel in the Carter Administration), finance, government (Vice President of the Los Angeles Harbor Commission and Member of the Alameda Corridor Transportation Authority) and patient advocacy (Chairman of the then-Crippled Children’s Society of Southern California, now called AbilityFirst, which assists children with physical and mental disabilities that could be targets of stem cell therapies).



**Joseph Panetta**  
President and CEO,  
Biocom

Since 1999, Joseph Panetta has been President & CEO and a Board member of Biocom, California’s largest and most-experienced leader and advocate for the life science industry. Biocom works on behalf of over 1,200 members to drive public policy, build an enviable network of industry leaders, create access to capital development, introduce cutting-edge STEM education programs, and create robust value-driven purchasing programs.

Mr. Panetta works with an experienced professional staff of 50, with offices located in San Diego, Los Angeles, San Francisco Bay Area, Tokyo, and Washington, D.C. and has a continuous staff presence in Sacramento. Their broad membership benefits apply to biotechnology, pharmaceutical, medical device, genomics and diagnostics companies of all sizes, as well as to research universities and institutes, clinical research organizations, investors and service providers.

Mr. Panetta is co-founder of the Biocom Political Action Committee, the Biocom Institute for education and workforce development, and chairman of the California Biotechnology Foundation. In 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 California Institute for Regenerative Medicine (CIRM) and is responsible for providing grant funding under the \$3 billion California Stem Cell Initiative.

Mr. Panetta holds a Bachelor of Science degree in biology from LeMoyne College, and a Master of Public Health degree in industrial and environmental health from the University of Pittsburgh.

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## Master of Ceremonies

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**Matt Gardner**  
Chief Executive,  
California Technology Council

Matt previously founded or cofounded industry organizations including the California Cybersecurity Information Sharing Organization, BioCalifornia, California Business Incubation Alliance, the California Technology Council, Bay Area Bioscience Association, and the California Biotechnology PAC. Matt has served as the chief executive of the California Technology Council, Cancer Commons, BayBio and the Maryland Bioscience Alliance. He is an active member of the board in innovation bodies including the Technology Councils of North America, California Cybersecurity Task Force, and the Information Sharing and Analysis Organizations Standards Organization. Matt is currently chair of the National Council of Registered ISAOs. He has served as a member of the adjunct faculty at the University of San Francisco in the Department of Entrepreneurship and Innovation in the School of Management.

Matt Gardner is author or co-author of publications on innovation including “California Tool Works,” “Approaching Zero” and “A Future at Risk.”

He was, until recently, chairman of the board of Seeding Labs, a non-profit based in Cambridge, Massachusetts which improves science capacity at institutions in the developing world.

Matt served as a founder and chair of the life science innovation boards for two members of Congress, Rep. Barbara Lee (California, 13th) and Rep. Jackie Speier (California, 14th). He is the co-author of legislation including Maryland’s angel investment credit and California’s tax treatment of net operating losses for innovative companies, and regulations including California’s “L” occupancy code allowing life sciences research to expand vertically above the second floor.



**DEFTA is launching tomorrow's healthcare today with a vision to  
*enable every person to lead a healthy life until his/her last moment*  
through investing in innovative companies and entrepreneurs in digital health, gene & cell therapy,  
regenerative medicine, point-of-care diagnostics, personalized healthcare, and enabling technologies.**



### Healthcare Focus

Today, DEFTA Partners foresees new opportunities in the integration of technologies in the IT, biotechnology, pharmaceutical, and other healthcare fields. With a goal to extend people's healthspan, we are investing in companies developing advanced therapeutics, health IT, and enabling technologies.



### IT Focus

In the late 1990s, DEFTA Partners predicted that the fundamental structure of information technology would shift from a computation-centric model to what we call the pervasive ubiquitous communications (PUC) model. Our PUC vision has paved the way for successes of technology companies in fields like embedded devices, digital TV, and online security.



### Global Focus

Since the 1980s, DEFTA Partners has invested in more than 100 companies in the U.S., U.K., Israel, Bangladesh, and Japan. We bring hands-on global expertise to our portfolio companies, enabling them to scale up internationally. Sustainable growth in the developing world is also our goal. In Bangladesh, for example, we work with BRAC, the world's largest NGO, in establishing and operating a joint venture bracNet, an internet service provider.

DEFTA Healthcare Technologies: Portfolio





health x e



*Kowa Company, Ltd.*





《Trading》

Import / Export, Intermediate Trade, and Domestic Sales of Textile, Machinery, Construction Materials, Chemicals, and Commodities

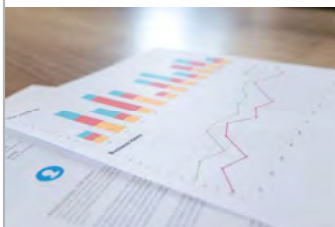
《Manufacturing》

R&D and manufacture of OTC, ethical drugs, and medical equipment ; R&D, manufacture / sales and import / export of LED lighting equipment, renewable energy power generation systems and optical equipment

<https://www.kowa.com/>

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by MIRAI TRUST Inc.



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We are the team of dedicated financial professionals.

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- #2 Financial advisory and asset consulting services are provided by JPI Management Inc.



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## Healthcare Game Changers: Emerging Trends and Technologies

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Bringing  
patient





What JCR can do  
for rare diseases

ing JCR's pharmaceutical products to  
nts throughout the world.

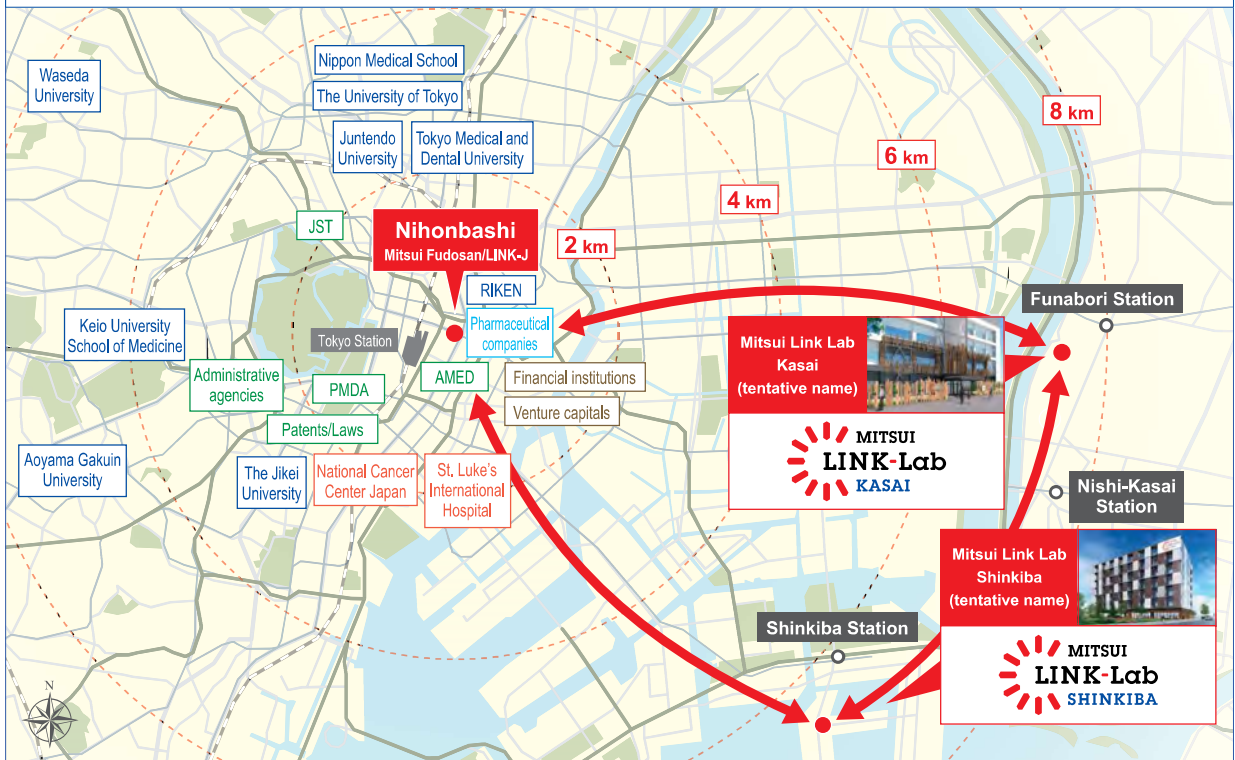
JCR Pharmaceuticals has been engaged in the R&D of pharmaceuticals for rare diseases ever since its inception. Its philosophy; "Contributing towards people's healthcare through pharmaceutical products" drives us to leverage our biotechnology expertise, cell therapy technologies and regenerative medicine to develop treatment options for under-served patient communities.



# Mitsui Lab & Office

## Promoting Open Innovation

A Japanese-style ecosystem in the life science domain, suggested by Mitsui Fudosan



Contact for inquiries

Lessor : MITSUI FUDOSAN

**MITSUI FUDOSAN** Life Science Innovation Department Tel: +81-3-3516-2735



PROJECT L

A rental lab within an 8-



● Address: ● To be available

Standard floor

Each floor has a meeting space that tenants are free to use

Access

Toei Subway

Tokyo Metro

\* All information in transfers, waiting for illustrative purposes

# Concept of Mitsui Lab & Office

Key point  
**1**

## Rental lab facilities in the area adjacent to the urban center

Business style and lifestyle improvements are enabled by rental lab facilities located near the center of Tokyo.



Key point  
**2**

## Promoting open innovation

Using spaces and Mitsui Fudosan/LINK-J network increases opportunities to collaborate with key players in the life science domain and in other sectors, leading to open innovation.

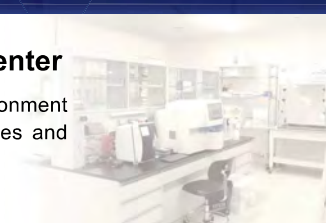


Key point  
**3**

## Fulfilling research environment in areas adjacent to the urban center

Mitsui Lab & Office's wet labs are compatible with BSL2\*. They offer a fulfilling research environment with shared experimental equipment rooms, shared meeting rooms, communication lounges and neighboring R&D support organizations.

\* Some labs may not meet these conditions.



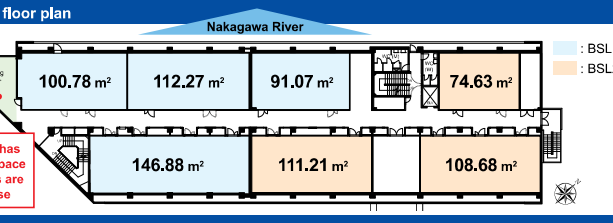
### LINEUP (1) Mitsui Link Lab Kasai (tentative name)



Rental lab facility in Daiichi Sankyo Kasai R&D Center located within an 8-km radius of Nihonbashi



Address: 1-16-13 Kitakasai, Edogawa-ku, Tokyo (residence)  
Available in Autumn 2019



**Yamanote Line** 12-minute walk from Funabori Station (4 minutes by bus)  
**Chuo Tozai Line** 9 minutes by bus from Nishi-Kasai Station  
2-minute walk from Boshiba Bus Stop

\* Information in this brochure is subject to change. \* The travel times indicated are for ordinary daytime hours and do not include transfers or waiting. They vary by time of day. \* A separate fee is charged for the use of shared facilities. \* Some photos are for illustrative purposes only.

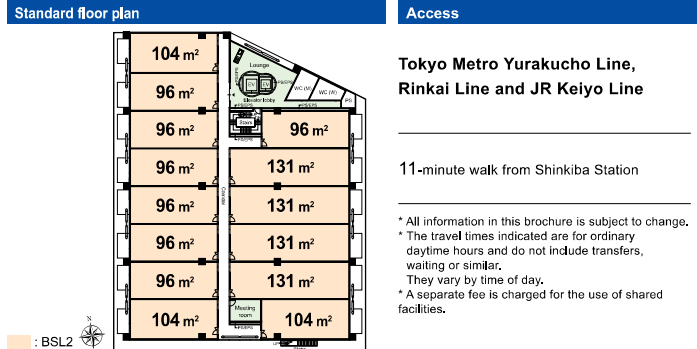
### PROJECT LINEUP (2) Mitsui Link Lab Shinkiba (tentative name)



A newly built rental lab facility that is accessible via three train lines, with easy access to Tokyo Station and Nihonbashi Station



● Address: 2-3-13 Shinkiba, Koto-ku, Tokyo (lot number)  
● Completion: December 2020 (planned)



**Access**  
Tokyo Metro Yurakucho Line,  
Rinkai Line and JR Keiyo Line

11-minute walk from Shinkiba Station

\* All information in this brochure is subject to change.  
\* The travel times indicated are for ordinary daytime hours and do not include transfers, waiting or similar.  
They vary by time of day.  
\* A separate fee is charged for the use of shared facilities.

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REDNESS + DRYNESS RELIEF

MAX REDNESS RELIEF

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ADVANCED DRY EYE TREATMENT



## cool

Dual action cooling formula works to relieve redness & soothe dry eyes



## cool max

Provides maximum strength redness relief to whiten red, irritated eyes



## ice

All-in-one solution relieves 8 common eye symptoms



## dry aid®

Advanced dry eye treatment. Repairs the natural tear film.

Unique, clear bottle design with mess-free, single drop dispenser

rohtoeyedrops.com



Mentholatum®



NEW!

# softlips® oasis

Put an end **TO** thirsty lips!



Use only as directed.

## strawberry & kiwi

Give your lips a fresh start with the sweet, fruity flavors of strawberry and kiwi.

## peach & mango

Celebrate peach and mango working together in harmony.

## pineapple & coconut

Explore the refreshing, tropical combination of pineapple and coconut.

Hydrating, fruit water infused lip balm with up to 12-hour hydration

softlips.com





Takeda Pharmaceutical opened its Shonan Research Center to the public as The Shonan Health Innovation Park (Shonan iPark) in April 2018 to support further innovation in science. At its core, Shonan iPark’s vision is the “social implementation of innovative ideas” and its mission is to “build a life-science ecosystem that is open to the world.” It aims to provide a space where public, private, and academic sectors can collaborate to develop the innovative ideas of biotech venture companies and academia into practical applications to benefit patients.

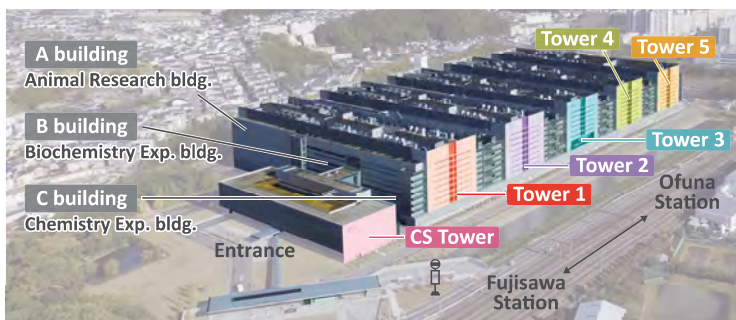
## Strategic Focus

iPark will seek solutions to issues facing society in the following four areas.



## Facilities

iPark offers access to state-of-the-art research facilities.



- Environment-conscious and safety-assured organic synthesis and biology laboratories (P2 certified)
- Radioisotope research laboratories
- High-tech equipment including Automated Cell Analyzer (FCM, HCS, etc.), Confocal Laser Scanning Microscopy, Realtime PCR, Imaging Analyzer, etc.

# Tenants from all over the world

## Tenants

Sixty-one companies have joined Shonan iPark! (as of September 30<sup>th</sup>, 2019)

### 製薬 Pharmaceuticals



### 創薬 Biotech



### 創薬支援 Research and Development Support



### 次世代医療 New Modality



### 研究機器 / 医療機器 Research Equipment / Medical Devices

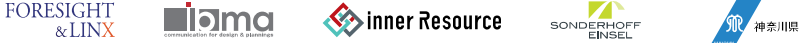


### AI / IoT / ロボティクス AI / IoT / Robotics



### ベンチャーキャピタル Venture Capital

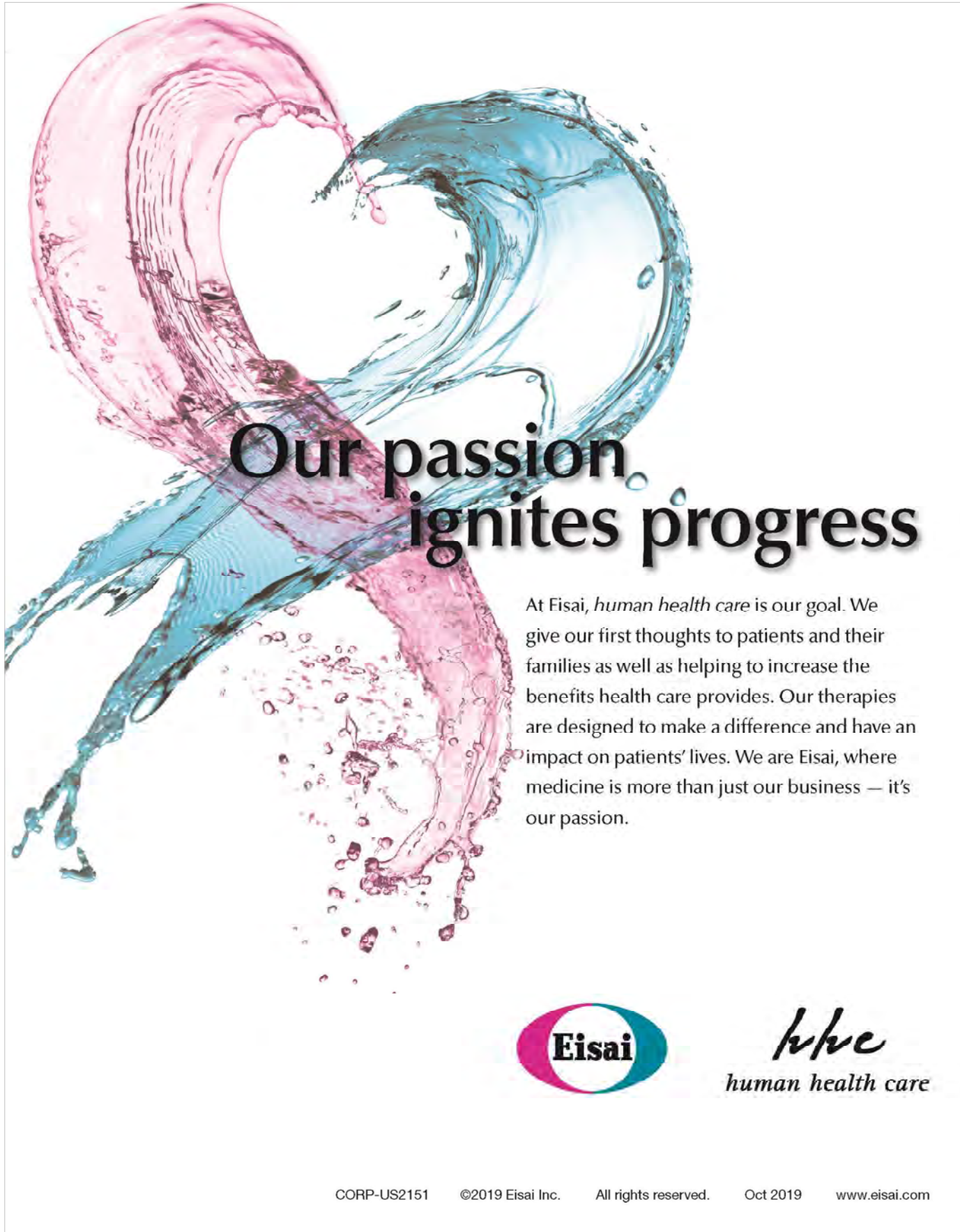
### ビジネスサポート Business Support



### 行政 Administration

## iPark Gallery





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At Eisai, *human health care* is our goal. We give our first thoughts to patients and their families as well as helping to increase the benefits health care provides. Our therapies are designed to make a difference and have an impact on patients' lives. We are Eisai, where medicine is more than just our business — it's our passion.



*hhc*  
human health care



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Working to accelerate endeavors to extend healthy lifespans, based on a variety of healthcare services provided to date and R&D.

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## History and Aims

The Alliance Forum Foundation holds Special Consultative Status with the United Nations ECOSOC since 2011. Founded in 1985, AFF is a 501(c)(3) nonprofit organization based in California, USA. During the 1980's, AFF played a significant role in helping to ease trade friction between Japan and the US in the field of high technology with support from the Japanese Ministry of Foreign Affairs, the Ministry of International Trade and Industry, as well as, the US Government. In 2000, recognizing the maturation of computer-centralized technology as the core industry driving the global economy, AFF established the following mission for its activities going forward:

- Deploy next generation technology to change the world.
- Support the development of new key industries through activities that nurture and commercialize promising new technologies and foster the development of human resources for a new age.
- Contribute to Japan's role as a vital actor in global development.

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## ALLIANCE FORUM FOUNDATION



Preparations are underway to formally establish the *Global Human Resources Development Programme* which aims to dispatch talented Japanese from the private sector to staff public interest projects in developing countries.

**International Organizations / NGO's in Developing Countries**

**FAN**  
KARA COUNSELLING  
Program Against Malnutrition  
Kara Counseling  
(Zambia)

**TMSS**  
BRAC  
TMSS  
(Bangladesh)



## Public Interest Capitalism (PIC) Research Division

A long-term vision rooted in the public interest is crucial to drive the development of core technologies and create new key industries. Excessive market fundamentalism and shareholder-centrism have not only created severe inequities but also hindered the development of new key industries capable of driving global development. In 1999, AFF began a series of forums to discuss and debate new capitalist mechanisms and in 2008, we established the PIC Research Division. In 2011, AFF started sponsoring a series of lectures at Tokyo University that would examine the negative effects of shareholder centrism, establish a PIC theoretical framework, and identify best practices in management that promote balanced and sustainable global development.



2010 World Alliance Forum  
Tokyo Roundtable

## Alliance Forum Foundation Development Programme

More than half the nations in the world are classified as developing countries. Many of these countries face problems hindering their development including poverty, hunger, malnutrition, disease, and insufficient infrastructure to deliver basic education and healthcare. The **Alliance Forum Foundation Development Programme (AFDP)** is implementing a number of activities that aim to solve these problems by harnessing the power of the private sector.

### Spirulina Project (Africa)

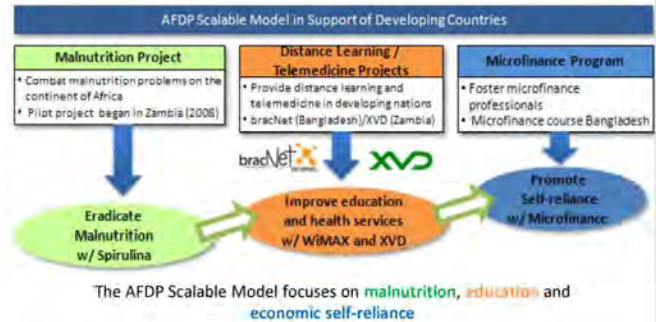
This project seeks to combat malnutrition in Africa through the use of Spirulina, an extremely nutritious kind of microalgae. In 2010, AFDP succeeded in facilitating the import of Spirulina into Zambia for future distribution to malnourished populations. AFDP is working in cooperation with the Ministry of Health's system of malnutrition clinics and local NGO's on a two-year project aimed at distributing Spirulina free of charge to the malnourished in Zambia. In addition, AFF is working to dispatch students and young professionals to assist local populations in the safe and effective distribution of spirulina to combat malnutrition.

### Microfinance Professional Courses (Bangladesh)

Microfinance is an effective development tool for assisting the poor to become financially independent. In 2009, AFDP together with BRAC University established an institute to educate aspiring microfinance professionals. Since its inception, over 70 people have graduated from the introductory course. Presently, AFDP is working to establish an in-depth master's course in microfinance.

### AFF Forums and other activities

AFF annually hosts the World Alliance Forum Tokyo Roundtable and the World Alliance Forum in San Francisco as well as a variety of other international events including the AFDP-JICA Forum, a conference on development co-organized with the Japanese International Cooperation Agency (JICA). AFF also brings corporate leaders to developing countries such as Bangladesh and Zambia as part of its corporate delegation activities.



### Distance Learning / Telemedicine Projects (Bangladesh and Zambia)

In 2005, AFDP's first project began with private sector partners and the world's largest NGO, BRAC, to develop a next-generation infrastructure to deliver distance learning and telemedicine in Bangladesh. This project established bracNet, a unique internet service provider deploying WIMAX technology to provide a wireless internet in Bangladesh. bracNet was highlighted by the World Bank for its unique framework that uses a portion of its profits for education and healthcare initiatives in rural areas. In 2010, AFDP launched a distance learning project utilizing XVD's video compression technology that enables real-time HD distance classes at universities in Zambia. XVD will be further deployed to enhance education and healthcare in developing countries.



Lecturer (left) Sir Fazle Hasan Abed, Founder and Chairperson of BRAC.



World Alliance Forum  
In Bangladesh



AFF Corporate Delegation  
(Japanese Embassy in Zambia)

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## Memo

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## Memo

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