

Shizuoka Cancer Conference 2016

International Development of Healthcare: Bringing the Spirit of Hospitality to the World

March 4, 2017 (Saturday)

Shizuoka Cancer Center Research Institute

Sponsored by Shizuoka Prefecture and the Shizuoka Cancer Center

Purpose of the Program

Since the Pharma Valley Project was started in 2002 based on the concept of a "medical care castle town," it has continued to grow and evolve around its core components of the Shizuoka Cancer Center, which provides advanced cancer care, and the Pharma Valley Center, the open innovation hub that opened this year. Now, it is about to make a leap toward the global stage as a hub cluster for the Asian region.

Our goal in holding this conference is to propose new approaches to global expansion in the field of medicine and promotion of industrial development by sharing the Shizuoka Cancer Center's efforts toward global expansion of our "spirit of hospitality" that drives us to put patients and their families first and offer them exhaustive support, our efforts toward global expansion of advanced medical devices developed at the Pharma Valley Center, and the latest case studies from medical and research institutions invited from six world regions.



Ken Yamaguchi, MD, PhD

President, Shizuoka Cancer Center

Program

Shizuoka Cancer Conference 2016 | March 4, 2017 (Saturday)
Shiosai Hall, Shizuoka Cancer Center Research Institute

Theme	International Development of Healthcare: Bringing the Spirit of Hospitality to the World	
10:00	Opening Address	Akihito Yoshibayashi Lieutenant Governor of Shizuoka Prefecture
10:10	Nucleic Acid Isolation System "QuickGene-Mini 480" Presentation Ceremony	
10:30	Introduction of the Conference	Ken Yamaguchi, MD, PhD President, Shizuoka Cancer Center
11:00	Special Lecture 1	Efforts by the Ministry of Economy, Trade and Industry toward Global Expansion of the Healthcare Industry Soichiro Sasago Director, International Business Promotion Office, Healthcare Industry Division, Commerce and Information Policy Bureau, Ministry of Economy, Trade and Industry
11:25	Special Lecture 2	Global Health Challenges and JICA's Efforts to Solve Them Kazune Takashima Program Officer, Health Team 3, Health Group 2, Human Development Department, Japan International Cooperation Agency (JICA)
11:50	Special Lecture 3	Global Expansion by Shizuoka Prefecture Kiyoshi Shinohara Chief, Shizuoka Prefecture Division of Commerce and Industry
12:15	Special Lecture 4	Global Expansion of Healthcare Today Yukitoshi Yamamoto Chairman, System Environmental Research Institute Co., Ltd.
12:35	Question and Answer Session	
12:45	Lunch (60 minutes)	
13:45	Lecture 1	Introduction to the Cancer Care of Vietnam Nguyen Truong Son Director, Cho Ray Hospital
14:00	Lecture 2	Health Reform by Engaging the Private Sector to Attain Universal Health Coverage in the Philippines Teodoro Javier Herbosa Executive Vice President, University of the Philippines
14:15	Lecture 3	The Current Situation and Challenges of Cancer Treatment in Sichuan Zhi-hui Zhang Director, Division of Internal Medicine, Sichuan Cancer Hospital & Institute
14:30	Question and Answer Session (15 minutes)	
14:45	Lecture 4	Work of the "HOPE" Cancer-Free Mongolia National Foundation with the Shizuoka Cancer Center and the State of Medicine in Mongolia Sambuu Narangerel Secretary, "HOPE" Cancer-Free Mongolia National Foundation
15:00	Lecture 5	Radiotherapy at the Main Oncological Hospital in Russia Aleksey Nazarenko Chief of Department of Radiation Oncology, N.N. Blokhin Russian Cancer Research Center
15:15	Question and Answer Session (10 minutes)	
15:25	Break (10 minutes)	
15:35	Lecture 6	JETRO Efforts to Support Global Expansion Takeshi Arai Deputy Director, Healthcare Industries Division, Service Industry Department
16:00	Lecture 7	ITRI Open Innovation Scheme: The Core and Innovative Technologies in BDL and ITRI Maggie Lu Deputy Director of Drug Delivery Technology Development, Biomedical Technology and Device Research Laboratories, Industrial Technology Research Institute
16:25	Lecture 8	Efforts at the New Pharma Valley Project Hub Katsunori Ueda Director, Pharma Valley Center, Shizuoka Industrial Foundation
16:45	Question and Answer Session (15 minutes)	
17:00	Closing Address	Ken Yamaguchi, MD, PhD President, Shizuoka Cancer Center

Please note: Lecture topics are subject to change.

Speaker Profiles / Overview of Lectures

Special Lecture 1

Efforts by the Ministry of Economy, Trade and Industry toward Global Expansion of the Healthcare Industry

Speaker

Soichiro Sasago

Director, International Business Promotion Office, Healthcare Industry Division, Commerce and Information Policy Bureau, Ministry of Economy, Trade and Industry



Curriculum Vitae

1997.3	Graduated from University of Tokyo, Faculty of Law
1997.4	Joined Ministry of Health and Welfare
2006.9	Deputy Director, Economic Division, Health Policy Bureau
	Deputy Director, General Affairs Division, Health Insurance Bureau
2008.7	First Secretary, Embassy of Japan in the UK
2011.8	Deputy Director, International Affairs Division and Finance Division, Minister's Secretariat
2013.9	Private Secretary to Senior Vice Minister
2014.9	Senior Specialist for Securing Nursing Staff, Health Policy Bureau
2015.10	Current Position

Following cabinet approval of the Japan Revitalization Strategy in 2013, the Japanese government has been utilizing public-private partnerships to promote global expansion of Japanese healthcare services and medical devices (outbound) and acceptance of foreign patients who wish to be treated in Japan (inbound).

In this presentation, which will focus on the efforts of the Ministry of Economy, Trade and Industry, government efforts to promote global expansion of the healthcare industry will be presented along with examples and current issues and future trends will be discussed.

Special Lecture 2

Global Health Challenges and JICA's Efforts to Solve Them

Speaker

Kazune Takashima

Program Officer, Health Team 3, Health Group 2, Human Development Department Japan International Cooperation Agency (JICA)



Curriculum Vitae

2003.3	Graduated from Department of Nursing, School of Health Sciences, International University of Health and Welfare
2003.4-2006.6	Joined Hachioji Medical Center, Tokyo Medical University Department of Nursing (Emergency Medicine Division)
2007.1-2009.1	Dispatched to the Dominican Republic as a public health nurse team member for the Japan Overseas Cooperation Volunteers
2009.3-2009.11	Joined the NGO Earth Stage
	Stationed in East Timor, managed maternal and child health project
2010.1	Nippon International Cooperation for Community Development Sent to Haiti as an earthquake relief coordinator
2010.3-2011.6	Hachioji Medical Center, Tokyo Medical University Emergency Unit/CCU, Department of Nursing
2011.9-2012.8	Master's Degree from Liverpool School of Tropical Medicine
2013.4-2015.9	Staff, Japan Disaster Relief Team Office, JICA
2015.9-Present	Member, Group III (Health II), Human Development Department, JICA

JICA was founded to implement Japan's official development assistance with the vision of "dynamic development that benefits everyone," and helps developing countries to solve the challenges they face. In September 2015, the international community set forth Sustainable Development Goals (SDGs) to follow the Millennium Development Goals (MDGs). In this presentation, the role that JICA plays in development projects using Japan's experience and the latest technology to solve healthcare challenges faced by the world today will be explained from the perspective of the SDGs.

Special Lecture 3

Global Expansion by Shizuoka Prefecture

Speaker

Kiyoshi Shinohara

Chief, Shizuoka Prefecture Division of Commerce and Industry



Curriculum Vitae

1979.3	Graduated from Tohoku University School of Law
1979.4	Joined Shizuoka Prefectural Government
1987.4	Agency for Natural Resources and Energy; Ministry of International Trade and Industry
1997.4	Stationed in Singapore
2007.4	Head of Planning, Division of Health and Welfare (Responsible for Pharma Valley)
2008.4	Head, Office of New Industry Recruitment, Bureau of Industrial Development, Department of Industry
2009.4	Head of Policy, Department of Industry
2010.4	Director, Division of Commerce and Industry; and Director, Department of Culture and Tourism
2012.4	Head, Office of Policy Planning, Department of Planning and Public Relations
2013.4	Deputy Chief, Division of Commerce and Industry
2014.4	Chief, Business Development Office
2015.4	Chief, Division of Commerce and Industry (current position)

Shizuoka Prefecture is engaging in regional diplomacy in various fields including industry, education, and culture. This regional diplomacy was previously focused on exchange, but is now becoming more focused on commerce. Specifically, the prefecture is working to promote open innovation with overseas regions, research institutions, and universities, to promote and supply products and systems from Shizuoka Prefecture all over the world, and to engage in mutually beneficial projects with partner countries and regions. This new approach to global expansion that is unprecedented in Japan will be presented.

Special Lecture 4

Global Expansion of Healthcare Today

Speaker

Yukitoshi Yamamoto Chairman, System Environmental Research Institute Co., Ltd.



Curriculum Vitae

1980.4-1993.3	Central Uni Co., Ltd.
1993.4	President, System Environmental Research Institute Co., Ltd.
2013	Chairman, System Environmental Research Institute Co., Ltd.

An overview of the global expansion of System Environmental Research Institute businesses will be provided and important points will be explained following the structure below.

1. Corporate overview
2. Current state of the medical field in each country into which businesses are expanding
3. Business expansion conditions required by each country
4. Activities suited to business expansion
5. Important points about consultations
6. The need for partners (how to build partnerships)

Lecture 1

Introduction to the Cancer Care of Vietnam

Speaker

Nguyen Truong Son Director, Cho Ray Hospital



Curriculum Vitae

1987	M.D. from University of Medicine and Pharmacy at Ho Chi Minh City
1988	Joined Department of Hematology, Cho Ray Hospital
2000	Ph.D. in Immunology from Vietnam Military Medical Academy
2001	Department Chair, Cho Ray Hospital
2006	Vice Director, Cho Ray Hospital
2008.4	Director, Cho Ray Hospital

- Epidemiology of cancer in Vietnam
- Past and current health care system for cancer patients
- Introduction of Cho Ray Hospital
- Cancer treatment at Cho Ray Hospital
- Our missions and future development

Lecture 2

Health Reform by Engaging the Private Sector to Attain Universal Health Coverage in the Philippines

Speaker

Teodoro Javier Herbosa Executive Vice President, University of the Philippines



Curriculum Vitae

2014.1-Present	Head of the NCR and Metro Manila Hospitals Operations Cluster
2014.2-Present	Coordinator of the Disaster Management and Rehabilitation Task Force
2011.8-2014.1	Head of the Operations Cluster of NCR and Southern Luzon
2010.12-Present	Chairman of Center of Public Private Partnerships in Health
2012.3-2015.3	Chairperson of the Joint DOH-Philhealth IT Steering Committee
2011.8-2015.3	Co-Chair of the DOH of Health Screening and Evaluation Committee for Training and Development
2011.7-2012.5	Chairperson of the Special Central Office Bids and Awards Committee
2012.9-2015.3	Member of the Performance Management Team
2014.3-2015.3	Member of the Department of Health- Department of Science and Technology National Governance Steering Committee on eHealth
2017.2-Present	Executive Vice President of University of the Philippines
Education	
1979	BS Biology (Cum Laude), College of Arts and Sciences, University of the Philippines, Diliman
1983	Doctor of Medicine, College of Medicine, University of the Philippines, Manila
1995	Diploma in Emergency Preparedness & Crisis Management, University of Geneva, WHO Fellow, Geneva, Switzerland

The population of the Philippines is now over one hundred million people. With much struggle, the country has progressed from a low-income country to a very progressive middle-income country wherein fifty percent of the population is twenty-five years old and below. The country is now experiencing a so-called demographic dividend and it is vital that health and development align for continued progress and benefit of the country.

In past decades, the Philippines struggled with health inequity. The poor and the marginalized were unable to get even the most basic of health care services. In the early nineties, a decentralization of the health system was implemented. Unfortunately, its good intentions caused the worsening of inequity in health care. A National Health Insurance program was implemented in the mid-nineties, but the inequity persisted because only those who were employed were covered by the insurance. Five years ago, we aimed to achieve universal health coverage; however, funds were needed to implement this program that would correct this inequity. We lobbied for the passage of an Excise Tax for Tobacco and Alcohol wherein the funds would go to healthcare. Today ninety-six percent of the population are enrolled in the National Health Insurance program.

The next phase was access. This is where engagement of the private sector, which comprised fifty-four percent of the health system, became vital. Some examples were dialysis centers that involved privately owned dialysis machines inside public hospitals allowing dialysis services to become accessible. Then, we had the cancer center projects for stand-alone diagnostic units and radiotherapy centers in public hospitals. Recently, we opened a cyclotron facility and the first PET scan at a public-sector hospital. Indeed, engagement of the private sector will facilitate achieving universal health coverage.

Speaker Profiles / Overview of Lectures

Lecture 3

The Current Situation and Challenges of Cancer Treatment in Sichuan

Speaker

Zhi-hui Zhang Director, Division of Internal Medicine, Sichuan Cancer Hospital & Institute



Curriculum Vitae

Zhi-hui Zhang MD, PhD. Professor of Oncology, Head of the Oncology Department at Sichuan Cancer Hospital & Institute. Achieved Bachelor of Medicine in 1984 at Chongqing Medical University. In August 1995, won a Japanese Government Monbukagakusho Scholarship for the Yamagata University Faculty of Medicine, commenced study in Japan within same year. Engaged in the study of Basic Immunology under the guidance of Prof. Sento Fujiro, a highly regarded Professor of Immunology. Achieved M.D., Ph.D. in March 1999. Returned to Sichuan Cancer Hospital & Institute commencing work in the Department of Oncology within the same year. Engaged in Chemotherapy, Biological Therapy and Molecular Targeted Therapy. Main research direction in Malignant Lymphoma.

In this paper, multiple aspects of the current situation of and problems facing cancer treatment in Sichuan Province are discussed along with regard to socioeconomic, geographic, and lifestyle factors relating to the onset of malignant tumors. A retrospective view of the incidence and extent of malignant tumors is also shown. In addition, the layout and radiation treatment facilities and technologies of Sichuan Cancer Hospital are introduced. At the same time, issues facing the hospital's classification management, specialist training, and malignant tumor prevention are discussed.

Lecture 4

Work of the "HOPE" Cancer-Free Mongolia National Foundation with the Shizuoka Cancer Center and the State of Medicine in Mongolia

Speaker

Sambu Narangerel Secretary, "HOPE" Cancer-Free Mongolia National Foundation



Curriculum Vitae

1990	Midwife qualification from medical vocational school
2005	B.A. from University of Finance and Economics, Mongolia
2007	M.A. from University of Finance and Economics, Mongolia
1990-2008	Midwife, First National Hospital
2008-2010	Manager, Tavan Bogd Group
2010	Secretary, "HOPE" Cancer-Free Mongolia National Foundation

In Mongolia, the number of cancer patients is increasing every year, and 70% of cases are detected in the terminal stage. Reasons for this include the nomadic lifestyle of Mongolians, poor medical knowledge of individuals, and an underdeveloped medical infrastructure. Efforts aimed at resolving these problems have made gains in recent years. For example, efforts to eliminate cancer in remote areas have led to early detection of cancer, and doctors are learning about medical technology from developed countries in Asia and Europe to improve their technical skills. In addition, liver transplant procedures now meet international standards, and have been performed for 34 patients to date. In the future, it will be critical to work on studying cancer in Mongolia, providing cancer care, and introducing the latest technologies.

The "HOPE" Cancer-Free Mongolia National Foundation, chaired by First Lady of Mongolia Khajidsuren Bolormaa, is working toward improving citizens' knowledge of medicine, improving medical infrastructure, introducing the latest medical technologies, and improving the skill level of health care providers. The national foundation was established 10 years after palliative care was introduced to Mongolia, but there were only 16 palliative care beds at that time. Now, this number has increased to 125, and residents of 21 provinces and the nine wards of Ulaanbaatar can receive palliative care. The Shizuoka Cancer Center has sent 250 palliative care manuals to date, and they have been distributed all across Mongolia.

Our exchanges started with a memorandum of understanding in 2010, and now 28 health care providers have been trained and received supplies such as cancer care equipment and books. In March of last year, another agreement was signed and two doctors and one nurse received training.

Lecture 5

Radiotherapy at the Main Oncological Hospital in Russia

Speaker

Aleksey Nazarenko Chief of Department of Radiation Oncology, N.N. Blokhin Russian Cancer Research Center



Curriculum Vitae

2002.10	Researcher, N.N. Blokhin Russian Cancer Research Center
2006.11	Senior researcher, N.N. Blokhin Russian Cancer Research Center
2010.12	Head of Radiotherapy Department, Semashko RZD Company, Central Clinical Hospital No.2
2012.10	Radiation Oncologist and Deputy Director, Oncostop, Private Clinic for Radiosurgery, Siberlife LLC
2015.4	Head of Radiotherapy Department, N.N. Blokhin Russian Cancer Research Center

Qualifications

2003.5	Ph.D. from N.N. Blokhin Russian Cancer Research Center
2016.7	Certificate of Specialty from the Russian Scientific Center of Roentgenoradiology
2011.4	Certificate of Education, Energia LLC

Radiation therapy is necessary for about 50 percent of oncological patients at some stage of their treatment. N.N. Blokhin Russian Cancer Research Center is the leading and the biggest oncological hospital in Russia and Europe. About 3,000 patients per year receive radical or palliative radiotherapy in the department of radiation oncology. All modern demanded techniques of radiation therapy are provided in the department. The only missing method is proton therapy.

Lecture 6

JETRO Efforts to Support Global Expansion

Speaker

Takeshi Arai

Deputy Director, Healthcare Industries Division, Service Industry Department



Curriculum Vitae

1995.4 Joined Japan External Trade Organization (JETRO)
2011.4 Chief Director, JETRO Mie
2015.4 Deputy Director, Healthcare Industries Division, Service Industry Department

To fulfill its role laid out in the Japan Revitalization Strategy, JETRO is working to promote direct investment in Japan and exportation of agricultural, forest, fishery, and food products with an emphasis on supporting the global expansion of small- and medium-sized Japanese companies.

Since its establishment in April 2015, the Healthcare Industries Division has been working to support the global expansion of Japanese companies in the three fields of biologics, medical devices, and longevity-promoting devices and services, with the specific duties of (1) providing international information, (2) supporting businesses at overseas exhibitions and other events, and (3) improving the business environment.

Lecture 7

ITRI Open Innovation Scheme: The Core and Innovative Technologies in BDL and ITRI

Speaker

Maggie Lu

Deputy Director of Drug Delivery Technology Development, Biomedical Technology and Device Research Laboratories, Industrial Technology Research Institute



Curriculum Vitae

Management and technical leader with a global perspective and connection from 18 years working with organizations that include TNO, NRC, JGC, Kyungpook National University, to-BBB/2-BBB, and more than 15 Taiwanese companies. Licensed technologies and service contracts around 20 projects domestically and internationally, established robust networks with pharma and biotech. Experience includes management in R&D organizations, general product development from bench to preclinical and clinical stages. Recognized expertise with track record accomplishment in the areas of advanced drug delivery technologies and new product development, granted more than 20 patents. Received Government and ITRI's honors and awards including the National Innovation Award (2016, 2013, 2012), the Promotion and Service Award of ITRI (Silver Medal 2012), the Excellent Research Award of ITRI (Gold Medal 2012, Bronze Medal 2011, Silver Medal 2009), the Excellent R&D Program, DoIT, MOEA, 2009, the Best Invention Award BDL (2013, 2011).

Founded in 1973, Industrial Technology Research Institute (ITRI) is Taiwan's largest as well as one of the world's leading high-tech R&D institutions. ITRI engages in applied research and technical services, and aims to innovate a better future. Biomedical Technology and Device Research Laboratories (BDL) is one of the institutes dedicated to help the biotech and pharma industries stay competitive and sustainable. BDL is focused on three areas of drug development, combination products, and medical devices & diagnostics. The drug development technologies cover NCE, herbal medicine, advanced drug delivery, protein engineering, and GMP production, etc. Combination products covers cell therapy and implantable bio-matrix hydrogel. Medical devices & diagnostics covers IVD, biomedical electronics, and medical imaging. These technologies bridge the gap between academic research and commercial development that can facilitate more innovation to first-in-human and reduce the risk of interests. Through the R&D process to generate core IPs, tech-licenses, and start-up, spin-in/spin-off business, we can create more value and benefits for biotech and pharma industry. BDL has multiple collaboration models to adapt different needs from industries, such as contract research or joint research for domestic or international parties. In the end, ITRI's precision medicine research using active targeting and antibody-drug conjugates technology will also be introduced.

Lecture 8

Efforts at the New Pharma Valley Project Hub

Speaker

Katsunori Ueda

Director, Pharma Valley Center, Shizuoka Industrial Foundation



Curriculum Vitae

1976.4 Admitted to Shizuoka Prefectural Federation of Small Business Association
Engaged in establishing and conducting a cooperative, organized by small and medium enterprises in Shizuoka Prefecture
2005.4 Worked (on loan) as Vice Director of Pharma Valley Center, Shizuoka Industrial Foundation
Served to search out drug-discovery projects, management of Shizuoka clinical trials network and medical-nursing-engineering collaboration of community enterprises willing to enter the medical/health industrial field
2012.4 Inaugurated as Director of Pharma Valley Center

The Pharma Valley Project was started in April 2002, and its 16th anniversary is fast approaching. The Pharma Valley Center, which is conducting the project in close collaboration with Shizuoka Cancer Center, opened part of its manufacturing zone on March 1 of last year, and brought influential companies in the region into the research zone on September 1. With these developments, all 12 companies and the Pharma Valley Center, serving as the central project support center, have begun work in earnest. Though it has only been about six months since start-up, specific business partnerships have already been formed.