

March 19, 2014

Press Release



Japan Analytical Instruments Manufacturers' Association (JAIMA)

JAIMA to Host Advanced Diagnostics Forum in Singapore

The Japan Analytical Instruments Manufacturers' Association (1-12-3 Kanda Nishiki-cho, Chiyoda-ku, Tokyo, 101-0054; Tel: 03-3292-0642; president: Shigehiko Hattori, chairman of Shimadzu Corporation Co., Ltd.) is pleased to announce that it will be joining with the Biomedical Research Council of the Agency for Science, Technology and Research of Singapore (A*STAR-BMRC; located in Singapore; chairman: George Radda) to organize the Advanced Diagnostics Forum in Singapore on March 24 (Monday) under the theme of "Advanced Diagnostics Innovation."

The forum is being planned in connection with the Japan Analytical & Scientific Instruments Show (JASIS), Asia's largest exhibition of analytical and scientific instruments co-organized by JAIMA and Japan Scientific Instruments Association (JSIA), with the purpose of helping to develop the advanced diagnostics industry. The gathering is envisioned as a means of promoting constructive synergy between the application research of A*STAR, the strategic base for bioscience being advanced as a national undertaking by Singapore, and the instrument development prowess of Japanese analytical and measuring instrument companies participating in JASIS.

The aim is to contribute to innovation in advanced diagnostic instruments and drug discovery support technology, as well as to accelerate the industrialization of such technologies. The keynote concept is to generate renewed flow from the development of research support products to the development of advanced diagnostic instruments, reagents, and other advances, engineering the first step toward creating a mutual cooperation system to accelerate the move toward industrialization in the near future.

About the forum

Name: Advanced Diagnostics Forum

Organizer: Japan Analytical Instruments Manufacturers' Association (JAIMA)

Co-host: A*STAR-BMRC

Date and time: March 24 (Monday) / 9:00 a.m. to 4:55 p.m.

Venue: Singapore Biopolis (Matrix Building, Breakthrough & Discovery Theatrettes)

Capacity: 150 people (pending)

Forum language: English

Admission fee: Free

Application method: Please apply using the form on the A*STAR website at http://easstar.eventshub.sg/ems_wb_Details.aspx?CalID=28&EventID=1293741.

Inquiries

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Reference Information

Why Singapore?

Singapore has formulated a plan for promoting research & development in the bioscience domain. As one phase of that effort, it introduced the Agency for Science, Technology and Research of Singapore (A*STAR), while constructing the "Biopolis" research business park. Prominent researchers from around the world have been invited to this park, and efforts have been made to foster an environment for genetic research, as well as to collect empirical data. To date, the fruits of this program include advances by a large number of global venture businesses and pharmaceutical development projects toward operating in Singapore.

For the current project, JAIMA has focused on Singapore's favorable business environment. This has helped promote the view that progress in synergy between the development of analytical and measurement instruments in Japan and the application capability of Singapore will be key toward accelerating innovation and promoting industrialization in advanced diagnostics and drug discovery support technology.

Forum Background

Several new markets are emerging in the domain of bioscience technology development. One involves assistance in the direction of reforming the diagnostics market, primarily driven by advances in genetic analysis technology, the acceleration of the use of mass spectrometry as a tool for protein and metabolic analyses, and progress in image analysis and other developments in the wake of the declaration of the completion of human genome analysis in 2003. Then, another involves the drug discovery market, in which the development of genome-based approach geared to the needs of personalized medicine is in progress. In addition, another regards the development of companion diagnostics, which is viewed as a pressing need in the field of personalized medicine. Moreover, the success in establishing iPS cells is attracting attention as an element capable of accelerating the development of new technologies.

For Japanese companies possessing analytical and measuring development technology (*i.e.*, exhibitors at JASIS and affiliated firms), successfully pioneering new markets will demand a realization of changes from within. Further, rather than simply supplying “latest solutions” of existing measuring methods, there is a need to further evolve new analytical or measuring technologies, shifting the targets of technical development and manufacturing from “research-support instruments” to “diagnostic instruments” and spearheading other progress.

In putting products to practical use, it will also be essential to advance application development and rapidly acquire fertile empirical data.

The application research being promoted and enhanced by A*STAR in the bioscience domain is positioned to address such needs as faced by the companies participating in JASIS. This likewise supports the conclusion that bolstering collaboration with such firms will help accelerate the development and industrialization of technologies, while contributing to realizing the aforementioned changes. The hosting of this symposium in Singapore is conceived as the first key step in deploying a mutual cooperation system to help move in that direction over the years to come.

About the Agency for Science, Technology and Research (A*STAR)

The Agency for Science, Technology and Research (A*STAR) is Singapore's lead public sector agency that fosters world-class scientific research and talent to drive economic growth and transform Singapore into a vibrant knowledge-based and innovation driven economy.

In line with its mission-oriented mandate, A*STAR spearheads research and development in fields that are essential to growing Singapore's manufacturing sector and catalysing new growth industries. A*STAR supports these economic clusters by providing intellectual, human and industrial capital to its partners in industry.

A*STAR oversees 18 biomedical sciences and physical sciences and engineering research entities, located in Biopolis and Fusionopolis, as well as their vicinity. These two R&D hubs house a bustling and diverse community of local and international research scientists and engineers from A*STAR's research entities as well as a growing number of corporate laboratories.

For more information about A*STAR, please visit www.a-star.edu.sg.

About Biomedical Research Council (BMRC)

Established in October 2000, the Biomedical Research Council (BMRC) supports, oversees and coordinates public sector biomedical research and development activities in Singapore. BMRC:

- oversees the development of core research capabilities within A*STAR research units specialising in bioprocessing; genomics and proteomics; molecular and cell biology; bioengineering and nanotechnology; and computational biology
- actively promotes translational medicine and cross-disciplinary research, as part of its efforts to advance human healthcare

- supports biomedical research in the wider scientific community such as public universities and hospitals
- engages in human capital development in the biomedical sciences and promotes societal awareness of biomedical research through outreach programmes.

About the Japan Analytical Instruments Manufacturers' Association (JAIMA)

The Japan Analytical Instruments Manufacturers' Association (JAIMA) is an organization comprised of membership by analytical instrument manufacturers and domestic Japanese and overseas vendors of products and components. It was established on August 8, 1960 with the purpose of increasing the quality and performance of analytical instruments and systems, refining the analytical instrument industry itself, promoting the progress and development of scientific technology related to the use of analytical instruments, and contributing to the healthy growth of Japan's economy and improving the cultural lifestyle of the nation's people.

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About the Japan Analytical & Scientific Instruments Show (JASIS)

The Japan Analytical & Scientific Instruments Show (JASIS) is a comprehensive exhibition positioned to cover the latest information on the “ins and outs of analytical and scientific instruments,” pooling the newest advances in analytical & scientific instruments and related technology & products in a single venue. JASIS has been hosted under its current name since 2012, when it effectively integrated the 50th Analytical Instruments Solution Show of JAIMA and the 35th Scientific Instruments Show of the Japan Scientific Instruments Association (JSIA).

JASIS website: <http://www.jasia.jp/>

PROGRAM

24 March Mon.
2014

Breakthrough and Discovery Biopolis, Matrix Building

9:00	Registration	
9:30	Welcome Address [1]  Dr. Benjamin Seet, Executive Director, Biomedical Research Council, A*STAR [2]  Haruhisa Takeuchi, the Ambassador of Japan	
9:45	Keynote Lecture The Singapore Bioimaging Consortium: From Genes to Man	Prof. Patrick Cozzone, Ph.D. Executive Director, Singapore Bioimaging Consortium, A*STAR
	Harnessing the Power of Genomics for Clinical Application	Christopher Wong, Ph.D. A*STAR GIS / POLARIS
	Collaborative Platforms for Digital Pathology and in vitro Hepato-toxicity Testing	Isabel Hui, Ph.D. A*STAR, IBN / Invitroecue
10:45	Short Break	
10:55	JAIMA's Approach to Advanced Diagnostics	Takeshi Kawamoto JAIMA
11:05	Invited Presentation I  Technologies for High Sensitivity Diagnosis	Yoshihiko Suda Konica-Minolta Inc.
11:35	Invited Presentation II  Industrialization of Genetic Testing with Microarrays - Introduction of Japanese microarray platform companies -	Dr. Hiroki Nakae Japan Micro Array Consortium
12:05	Lunch * Buffet Style Lunch * Company's show booth and Poster	
13:00	Invited Presentation III  Magnetically Promoted Rapid Immunoassay Systems Using Functionalized Fluorescent Magnetic Beads	Kotaro Terada Tamagawa Seiki Co., Ltd.
13:30	Invited Presentation IV  Microscopic Thermometry in a Living Cell by Fluorescent Nanoprobes	Dr. Madoka Suzuki Waseda University (WABIOS)
13:50	Presentation by JAIMA member companies	
13:50 - 14:20	Advanced Imaging & Mass Spectrometry Analysis for Early Diagnosis of Critical Illnesses	Sandy Nargund Shimadzu (Asia Pacific) Pte Ltd.
14:20 - 14:50	Improving Allergy Diagnosis by Simultaneous Detection of Various Allergens by Surface Plasmon Resonance Imaging	Dr. Chiraz Friedman HORIBA Scientific Dr. Ramdane BENERHAT HORIBA (CHINA) TRADING CO., LTD
14:50 - 15:00	Coffee Break	
15:00 - 15:30	Advancing the Elemental Dynamics of Life Science Applications with Tandem Mass Spectrometry - Japan's and World's First Agilent 8800 Triple Quadrupole ICP-MS (ICP-QQQ)	Masahiko Endo Agilent Technologies Japan
15:30 - 16:00	The Next "Paradigm Shift" in the Research of Biological Sciences with JEOL	Anindito Sen, Ph.D. JEOL Ltd.
16:00 - 16:30	Introduction of Latest Technologies and Applications on Scanning Electron Microscope	Masamichi Shiono, Ph.D. Hitachi High-Technologies Corporation
16:30	Closing Remarks	Kentaro Hayashi Managing Director of JAIMA