

August 28, 2014

Press Release



Japan Analytical Instruments Manufacturers' Association (JAIMA)

## **Junior High and High School Students Gain Hands-on Experience Using Analytical Instruments at JAIMA Summer Science School**

The Japan Analytical Instruments Manufacturers' Association (JAIMA; 1-12-3 Kanda Nishikicho, Chiyoda-ku, Tokyo 101-0054; chaired by Shigehiko Hattori, chairman of Shimadzu Corporation) held the JAIMA Summer Science School, a hands-on analytical instruments education event, on July 23 at the National Museum of Emerging Science and Innovation.

The goal of this event was to give junior high and high school students hands-on experience operating analytical instruments and to thereby deepen their understanding of analytical instruments and technologies—which serve as the foundation of a variety of different industries—as well as to enhance the students' interest in science and technology. This hands-on educational event was first held in 2012 as a project of the JAIMA Technical Committee and was inspired by the public program of the International Congress on Analytical Sciences 2011, which was held in May 2011.

JAIMA-member companies that also join the JAIMA Technical Committee, along with other organizations, demonstrated their respective analytical instruments and provided small groups of two to three junior high and high school students from the region surrounding the capital of Tokyo (total of 52 students) with general explanations on these instruments, along with opportunities to try the instruments hands-on.

Some of the high school students who attended the school were coming for their second time in a row, and there were even some students who were coming for their third time in a row. The school is becoming a popular summer vacation event. Some students commented that they would like to participate in the event next year as well, thus plans are being made to hold the event again next year.

JAIMA Technical Committee member Dr Noriyasu Niimura, who was in charge of the event, had the following to say: “In recent years, there have been concerns about young people losing interest in

science, but looking at the students who participated in the school this year, it felt to me like those concerns are somewhat without basis. Even when the explanations were difficult, the students listened to them with a keen ear, and I was struck by how they operated the analytical instruments as if they were playing a video game. I can't help but look forward to the future when thinking about how it is very possible that the students who participated in this year's school will one day significantly contribute to the development of Japan's science and technology."

The following section includes an overview of the event and information about the companies that participated.

### Event Overview

Date and time: July 23 (Wed.), 2014, 12:30 a.m. to 5:00 p.m.

Location: National Museum of Emerging Science and Innovation, 7F, Conference Rooms 1–3

Participants: 52 students

### Participating companies and equipment used

Company name	Equipment used
Agilent Technologies Inc. (Nitrogen generator: Peak Scientific Japan K.K.)	Gas chromatograph
	Fourier transform infrared spectrophotometer
Otsuka Electronics Co., Ltd.	Capillary electrophoresis device
Thermo Fisher Scientific K.K.	Fourier transform infrared spectrophotometer
	Desktop nuclear magnetic resonance (NMR) spectrometer
Shimadzu Corporation	High-performance liquid chromatograph
DKK-TOA Corporation	Ion chromatograph
JEOL Ltd.	Desktop electron microscope
JASCO Corporation	Ultraviolet-visible spectrophotometer
Hitachi High-Tech Science Corporation	Scanning probe microscope
	Thermal analyzer
Hitachi High-Technologies Corporation	Desktop electron microscope
Horiba, Ltd.	pH meter
	X-ray fluorescence spectrometer

Kyoto Electronics Manufacturing Co., Ltd.	Density meter
	Refractometer
Rigaku Corporation	X-ray diffractometer
Komyo Rikagaku Kogyo K.K.	Gas detector tube and gas sensor
Hamamatsu Photonics K.K.	Panel exhibit, etc.

**Inquiries**

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