

# JAIMA–ETC Joint Symposium and Workshop at Pittcon 2020

– Introducing the Latest Analysis Solutions for Biopharmaceuticals and Biotherapeutics –

2020/4/20

The Japan Analytical Instruments Manufacturers' Association (JAIMA, 1-12-3 Kanda-Nishikicho, Chiyoda-ku, Tokyo, Japan 101-0054; chairman: Akira NAKAMOTO (chairman of Shimadzu Corporation) has announced that it held a joint symposium and workshop with the Enabling Technologies Consortium (ETC) at Pittcon 2020, which is one the largest laboratory & experimental equipment-related symposiums in the world, held this year in Chicago, U.S., over March 1–5.

At this symposium, JAIMA, in collaborating with ETC, provided analysis methods and topics essential for the development of biopharmaceuticals and biotherapeutics, which have become mainstream in the realm of newly developed medicines. JAIMA hosted events on topics such as: “Microscopic Raman spectroscopy,” “The latest in mass spectrometry,” “Structural analysis and biology,” and “Nucleotide-based therapeutics” under the theme of “Advanced Drug Discovery for Biopharma & Biotherapeutics: Technologies for Structural Analysis & Spectroscopic Cell Imaging.”

JAIMA member companies and ETC fellowship companies introduced the latest analytical solutions for pharmaceuticals and drug discovery at this first-ever workshop.

The purpose of the events was to facilitate and provide an opportunity for the development of pharmaceuticals and analytical instruments by introducing potentials and solutions, as well as the latest analytical measurement technology and the contributions of such to CRO/CMO/pharmaceutical companies participating in Pittcon 2020 from around the world.

JAIMA also co-hosted a networking reception as a venue for interaction with pharmaceutical companies, including Mega Pharma (U.S.), after the workshop.

<b>AGENDA</b>		
Organizer:	<b>Kouhei Tsumoto</b> (The University of Tokyo)	
Co-organizer:	<b>Satoshi Nomura</b> (HORIBA, Ltd.)	
Time	Title	
8:30~8:35	Opening Remarks	
 <b>JAIMA &amp; ETC SYMPOSIUM (8:35 – 11:45)</b> <i>Advanced Drug Discovery for Biopharma &amp; Biotherapeutics : Technologies for Structural Analysis &amp; Spectroscopic Cell Imaging</i>		
Time	Title	Name / Affiliation
8:35~9:10	Raman Spectroscopic Evidence for Tertiary Structural Differences Between Insulin Molecules in Fibrils	<b>John Carpenter</b> University of Colorado
9:10~9:45	Characterization of mRNA, A Novel Modality for Therapeutic Antibody Engineering	<b>Kristian Link</b> Moderna, Inc.
9:45~10:20	Pulsing Ambient Ionization Mass Detection Without Sample Dilution in the High Throughput Synthesis Optimization Experiment	<b>Brian Musselman</b> IonSense, Inc.
10:20~10:35	Recess	
10:35~11:10	Executing a Strategy of Analytical Innovation in Pharmaceutical Development: Faster, Denser Knowledge Generation in HPLC	<b>Jonathan Shackman</b> Bristol-Myers Squibb
11:10~11:45	Structural Biology in Drug Discovery Research - Current Technology and Beyond	<b>Atsushi Nakagawa</b> Osaka University
 <b>JAIMA &amp; ETC WORKSHOP (13:30 – 16:30)</b> <i>Analytical Solutions for Advanced Drug Discovery &amp; Pharmaceutical Practice : Innovation Between Analytical Science &amp; Pharmaceutical Requirements</i>		
Time	Title	Name / Affiliation
13:30~13:50	Non-invasive Cell Analysis by using Spectroscopic Imaging	<b>Sakiko Akaji</b> Horiba, Ltd.
13:50~14:10	Exploring the macromolecular landscape using SAXS	<b>Angela Criswell</b> Rigaku Americas Corp.
14:10~14:30	Miniaturizing Wet Granulation	<b>Ajit Narang</b> Genentech
14:30~14:50	Analysis of Monoclonal Antibody Glycoforms using a Novel FcR Receptor Affinity Stationary Phase	<b>Atis Chakrabarti</b> Tosoh BioScience LLC
14:50~15:10	Unleashing the Mass Spectrometer Throughput Capability to It's Maximum	<b>Jean Lacoursiere</b> Phytronix Technologies
15:10~15:25	Recess	
15:25~	Discussion	
 <b>NETWORKING RECEPTION (17:15 – 19:15)</b> <b>Place : the Burnham Room on the 2nd floor of the Hyatt Regency® McCormick Place</b>		