

## PITTCON 2017 JAIMA SYMPOSIUM

# Analytical Solutions for Biopharma & Biotherapeutics

**(March 7, 2017 8:30-16:45 McCormick Place, Chicago, IL)**

**Free Registration for all the PITTCON 2017 participants**  
(Registration required for PITTCON2017: <http://pittcon.org/register/>)

### Methods & Topics Presented

- ◆ Luminescent Sensors and Imaging Technologies
- ◆ Chromatographic Separation of mAbs
- ◆ HPLC-MS/MS
- ◆ ICP-QQQ
- ◆ Quantitative NMR
- ◆ Subvisible particles in therapeutic protein products
- ◆ Raman Spectroscopy and Mass Spectroscopy for protein aggregation
- ◆ Mass Spectrometry-based Clinical Proteogenomics

### Speakers

- ◆ JOHN CARPENTER (Univ. of Colorado)
- ◆ TAKEAKI OZAWA (The Univ. of Tokyo)
- ◆ KEVIN A. SCHUG (Univ. of Texas at Arlington)
- ◆ KOHEI TSUMOTO (The Univ. of Tokyo)
- ◆ TOSHIIHIDE NISHIMURA (St. Marianna Univ., Lund Univ.)

And 5 speakers from Industry

## Networking Reception

**17:00-18:30 Grant Park D (CC12D), Hyatt Regency McCormick Place**  
(Registration required: [http://www.jaima.or.jp/ic/pittcon/pittcon\\_network\\_form/](http://www.jaima.or.jp/ic/pittcon/pittcon_network_form/))

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Date: March 7, 2017 Place: McCormick Place, Chicago, IL

## Analytical Solutions for Biopharma

Morning Session

08:30-08:35	<b>Introductory Remarks</b>
08:35-09:10	<b>Luminescent Sensors and Imaging Technologies for Drug Discovery</b> TAKEAKI OZAWA (The University of Tokyo)
09:10-09:45	<b>Workflow Solutions from Tosoh Bioscience for the Analytical Separation of mAbs</b> ATIS CHAKRABARTI (Tosoh Bioscience LLC)
09:45-10:20	<b>HPLC-MS/MS for Separation and Detection of Intact Proteins</b> KEVIN A. SCHUG (University of Texas at Arlington)
10:20-10:35	<b>Recess</b>
10:35-11:10	<b>Introducing the Latest Bio-pharmaceutical Application by ICP-QQQ</b> AMIR LIBA (Agilent Technologies)
11:10-11:45	<b>Development of Innovative Supply System of Reliable Analytical Standards Purity Determined by AQARI (Accurate QuAntitative NMR with Internal Reference Substance)</b> TORU MIURA <sup>1</sup> , TAKAKO SUEMATSU <sup>2</sup> , YUKO YAMADA <sup>1</sup> (Wako Pure Chemical Industries, Ltd. <sup>1</sup> , JEOL Resonance Inc. <sup>2</sup> )

## Emerging Technologies for the Evaluation of Biotherapeutics

Afternoon Session

13:30-13:35	<b>Introductory Remarks</b>
13:35-14:10	<b>Subvisible Particles in Therapeutic Protein Products: Causes, Consequences, Control and Challenges</b> JOHN CARPENTER (University of Colorado)
14:10-14:45	<b>Raman Spectroscopy for Highly Concentrated Antibody Solution in Biopharmaceuticals</b> CHIKASHI OTA (HORIBA, Ltd.)
14:45-15:20	<b>Recent Analytical Approach for Evaluating Protein Formulation in Biopharmaceuticals</b> KOHEI TSUMOTO (The University of Tokyo)
15:20-15:35	<b>Recess</b>
15:35-16:10	<b>Resolving the Mega-Mysteries of Biologics: High Mass Analysis of Conjugated, PEGylated and Aggregated Proteins by MALDI-TOF MS</b> BRIAN FEILD (Shimadzu Scientific Instruments, Columbia, MD)
16:10-16:45	<b>Mass Spectrometry-based Clinical Proteogenomics for Personalized Medicine of Lung Cancer Subtypes</b> TOSHIHIDE NISHIMURA (St. Marianna University, Lund University)

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The Pittsburgh Conference  
on Analytical Chemistry and  
Applied Spectroscopy

March 5 - 9, 2017  
McCormick Place Chicago, IL, USA



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