

PITTCON 2021 Technical Program organized by JAIMA & ETC

Date: March 9th, 2021
Time: EST



SYMPOSIUM

(8:30 – 11:40)

***Beyond Biopharma Analysis –
Characterization of new
pharmaceutical modalities to
understand its active and formulated
state***

METHODS & TOPICS

Protein Aggregation /
Subvisible Particle

mRNA Therapeutics

Structural Analysis /
Biology

Compact HPLC



WORKSHOP

(13:30 – 16:05)

***Open innovation platform for analytical
solutions in biopharma
& biotherapeutics***

METHODS & TOPICS

Analysis of Glycoforms

2D-LC-SFC System

Polarized Excitation
Emission Matrix (qEEM)

Wearables

Structural Analysis
Cryo Electron Microscope /
SAXS

AGENDA

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Organizer: **Kouhei Tsumoto** (The University of Tokyo)

Co-organizer: **Hiroyuki Kanda** (JAIMA)



JAIMA & ETC SYMPOSIUM (8:30 – 11:40)

Beyond Biopharma Analysis – Characterization of new pharmaceutical modalities to understand its active and formulated state

Time	Title	Name / Affiliation
8:30~9:05	Structural biology in drug discovery research– Current technology and the beyond –	Atsushi Nakagawa Osaka University
9:05~9:40	Subvisible particles in biopharmaceuticals; causes, analytical methods and ways of the suppression	Susumu Uchiyama Osaka University
9:40~10:15	mRNA Therapeutics Analytical and Bioanalytical Characterization	Bak Annette AstraZeneca
10:15~10:30	Recess	
10:30~11:05	Pharmaceutical and Biopharmaceutical Applications of Compact HPLC	Zachary Breitbach Abbvie
11:05~11:40	Mechanisms for Protein Aggregation and Stabilization in Solution, during Freezing and Drying, and at Interfaces	John Carpenter University of Colorado



JAIMA & ETC WORKSHOP (13:30 – 16:05)

Open innovation platform for analytical solutions in biopharma & biotherapeutics

Time	Title	Name / Affiliation
13:30~13:50	Comprehensive Workflow Solution using a Novel Stationary Phase with a Recombinant FcγIIIa Protein for the Analysis of Glycoforms	Atis Chakrabarti, Jukka Kervinen, Scott Melideo Tosoh BioScience LLC
13:50~14:10	Design and Applications of an Orthogonal 2D-LC-SFC System for Pharmaceutical Analysis	CJ Venkatramani, Jacob Kay, Meenakshi Goel Genentech
14:10~14:30	Polarized Excitation Emission Matrix (pEEM) Spectroscopy for Therapeutic Protein Analysis: Making Anisotropy Work in a Multi-dimensional Way	Alan Ryder National University of Ireland
14:30~14:50	Cryo Electron Microscope for Structural Analysis of Proteins and Viruses	Jaap Brink, Takuma Fukumura (JEOL USA)
14:50~15:05	Recess	
15:05~15:25	Next Generation Wearables for Data Capture	Brian Good (Eli Lilly), Peter Tattersall (Bristol-Myers Squibb)
15:25~15:45	Novel Applications of SAXS: Functional Structure Analysis and Use in the Formulation and Quality Control of Biotherapeutics	Takashi Sato Rigaku
15:45~16:05	Monoclonal Antibody Process Monitoring; The Proteoform Challenge	Fred E. Regnier Purdue University