

Only 4 weeks remain until SMI's 3rd annual Lyophilization USA conference

ISELIN, NEW JERSEY, UNITED STATES, October 18, 2017 /EINPresswire.com/ -- SMI's Lyophilization USA will gather leading experts to discuss the latest cutting-edge developments in freeze drying, as well as solutions to on-going industry challenges. A value-packed brochure with top pharma companies joining, including GSK, Temprius, Shire, Takeda Vaccines, Johnson & Johnson and more, who will be presenting a vast range of topics and issues within freeze-drying. www.lyophilization-usa.com/ein



Great organisers, helpful discussions, great topics & presenters”

Merck & Co.

Here is a summary of a few key sessions which cannot be missed:

[OPENING ADDRESS] Hydrogen Deuterium Exchange Mass Spectrometry for formulation/Process Optimization in

Lyophilized Solids

- Basics of hydrogen deuterium exchange Mass Spectrometry (HDX-MS), for formulation and process optimization, will be briefly discussed.
- Impact of formulation parameters, i.e., protein: sucrose ratio, type of stabilizer etc. will be discussed.
- Impact of processing parameters, including controlled ice nucleation and annealing, on stress stability will be discussed.
- Correlation of HDX-MS data with stress stability would be performed to evaluate rank ordering of the impact of processing conditions.

Lokesh Kumar, Associate Scientist, Genentech

Stability of Sugar-Protein Lyophilized Formulations: Evaluation of Phase Separation and Mobility

- Basics of solid-state NMR spectroscopy as a technique for evaluating phase separation and mobility in sugar-protein formulations.
- Impact of sugar crystallization, relaxation times, and phase separation on protein stability will be discussed.
- Comparison of micro-environmental protonation states using solid-state NMR spectroscopy and visible probes will be shown.

Eric Munson, Professor, Pharmaceutical Sciences, University of Kentucky

Holistic Approach to Packaging and Innovative Design

- Case study on innovation in packaging of pharmaceuticals.
- Challenges designing packaging that ensures patient safety and meets regulatory requirements.
- Relating consumer- friendly packaging to lyophilized products.

Guido Schmitz, Head of Packaging & Technology Innovation, Bayer Consumer Care

[KEYNOTE ADDRESS] The development and scale up of a freeze drying cycle for biotherapeutics

- Freezing, primary drying and secondary drying design space.
- Scale up and effect of load configuration – secondary drying focus.
- Stability considerations and physical characterization on stability.
- Container closure selection and characterization.

Stuart Wang, Principal Scientist, Shire

Hear from Our Top Industry Experts:

- Andrea Weiland-Waibel, Managing Director, Explicat Pharma GmbH
 - Charlie Tang, Associate Director, Formulation Development, Regeneron Pharmaceuticals
 - Guido Schmitz, Global Head of Packaging & Technology Innovation, Bayer Consumer Care
 - Jean- Francois Michiels, Senior Statistician, Arlanda
 - Eric Munson, Professor, Pharmaceutical Sciences, University of Kentucky
 - Kelly Forney Stevens, Drug Product Development, GSK Vaccines
 - Melissa Lash, Scientist, Large Molecule Drug Development, Johnson & Johnson
- Why Not Attend The Pre-Conference Workshop?

[NOV 15th] Implementation of Quality by Design Principles into [Lyophilization](#) Processes

Why Attend?

- Learn about quality built into the process in the context of lyo
- Understand the interrelationship of formulation and process
- Learn how to determine the CFT
- What PAT techniques are available?
- Lyocycle robustness testings to evaluate the process boundaries, how to transfer this into commercial scale lyophilization

Workshop Leader: Andrea Weiland-Waibel, Managing Director, Explicat Pharma GmbH

These are just some of the unmissable program highlights for 2017. Visit the website to see a full speaker line-up and detailed conference agenda. www.lyophilization-usa.com/ein

For those looking to attend, check out the booking options [online](#).

SMi Presents the 3rd Annual Conference on...

Lyophilization USA

Date: November 16th – 17th 2017

Location: Iselin, New Jersey

Website: www.lyophilization-usa.com/ein

Sponsored by: ELLAB | SCHOTT | TEMPRIS | W.L. GORE & ASSOCIATES, INC

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