

## Morning Session\*

- 7:30-8:30** **Registration, Breakfast, Set-Up**
- 8:30-8:45** **Jeff Schwegman, Ph.D.**  
**Kevin Tebrinke, P.E.**  
Welcoming Remarks, Chapter Update & Session Introduction
- 8:45-9:25** **Narlin Beaty, Ph.D.**  
**Sublimation Science**  
Lyo, Thermodynamics of Pressure and Temperature
- 9:25-10:05** **Jayasree Srinivasan, Ph.D.**  
**Baxter**  
The Influence of Mannitol Hemihydrate on the Secondary Drying Dynamics of a Model Protein Formulation: A Case Study
- 10:05-10:25** **Networking, Exhibits, Posters**
- 10:25-10:40** **Elizabeth Topp, Ph.D.**  
**Purdue University**  
An Introduction to LyoHUB
- 10:40-11:20** **Sergui Tchessalov, Ph.D.**  
**Pfizer**  
Scale Up and Tech Transfer in Freeze-Drying: Updates from LyoHUB on Best Practices Paper
- 11:20-12:00** **Arnab Ganguly, Ph.D.**  
**IMA Life**  
Recommended Best Practices in Freeze Dryer Equipment Performance Qualification: Updates from LyoHUB



International Society of Lyophilization  
– Freeze Drying, Inc.

[www.islyophilization.org](http://www.islyophilization.org)

# Midwest Chapter Annual Meeting April 13, 2017

Please Join Us!

Attendee: \$99

(Breakfast and Lunch are included)

### Venue

Midwest Conference Center  
401 West Lake Street  
Northlake, IL 60164-2401

### Suggested Hotel

DoubleTree O'Hare Airport - Rosemont  
5460 North River Road  
Rosemont, Illinois 60018  
Tel: +1-847-292-9100

Register and get our negotiated ISL-FD hotel rate on our website!

[www.islyophilization.org](http://www.islyophilization.org)

## Afternoon Session\*

**12:00-1:30** **Lunch, Exhibits, Posters**

**1:30- 2:10** **Jake Luoma**  
**Genentech**

Controlled Nucleation for Lyophilization - Ensuring Robustness of Nucleation through a Mechanistic Understanding of the Technology

**2:10-2:50** **Peter Nguyen, Ph.D.**  
**Wyss Institute for Biologically Inspired Engineering**  
Just Add Water: Portable, On-Demand Biomolecular Manufacturing

**2:50-3:30** **Nivesh Kumar Mittal, Ph.D.**  
**University of Tennessee**  
Lyophilization Principles for Nanomedicines

**3:30-4:00** **Networking, Exhibits, Posters**

**4:00-4:30** **Round Table Discussion**  
**All Speakers**

This will be an excellent opportunity to learn more about the discussion topics, and get any questions you have answered by the experts!

**4:30-4:45** **Jeff Schwegman, Ph.D.**  
Thomas Jennings Student Award  
Closing Remarks & Audience Feedback



### A Complete Lyo Event

Technical Presentations | Posters | Networking Opportunities | Vendor Exhibits

\*Schedule Subject to Change

Photo by Mike