

Welcome and Registration						
<b>October 1st</b>						
19:00	20:30	Welcome cocktail				
20:30	11:30	Gala dinner				
<b>October 2nd</b>						
8:00	9:00	Registration	Organizing Committee			
9:00	9:15	Openning session	Kevin Tebrinke	ISL-FD's President	USA	
<b>Keynote Speech</b>						
9:15	10:15	Progress and Challenges in the Science and Technology of Pharmaceutical Freeze-Drying.	Steve Nail	Baxter	USA	
10:15	10:30	Q&A				
10:30	10:45	Coffee break and Exhibition session				
<b>Session 1: Fundamentals</b>						
10:45	11:15	Liposomal in Lyophilization/analysis	Virgilio Tattini Jr.	LyoHELP	Brazil	
11:15	11:45	Liposomal in Lyophilization/formulation	Jorge Sassone	Improvement Proquimo Brazil	Brazil	
11:45	12:15	Stabilization of protein drugs during lyophilization process – theoretical concepts and practical considerations	Madhav S. Kamat	Independent Consultant	USA	
12:15	12:45	Forum discussion/Questions	Moderator:	ISL-FD's member Organizing Committee		
12:45	14:00	Lunch break				
<b>Session 1: Fundamentals (continued)</b>						
14:00	14:30	Molecular product visualisation during pharmaceutical freeze-drying	Thomas de Beer	Ghent University	Belgium	
14:30	15:00	use of Design of Experiment Approaches in the Lyophilization of Biologicals	Paul Matejschuk	NIBSC	UK	
15:00	15:30	Preliminary study on freeze drying human platelets with trehalose+HES+BSA	Shaozi Zhang	Zhejiang University	China	
15:30	16:00	Forum discussion/Questions	Moderator:	ISL-FD's member Organizing Committee		
16:00	16:15	Coffee break and Exhibition session				
16:15	17:15	ISL-FD Annual Meeting				
<b>October 3rd</b>						
<b>Session 2: Engineering &amp; Industrial</b>						
8:30	8:45	Opening				
8:45	9:15	Design related aspects of lyophilizer scale up	Maik Gutzzeit	GEA Lyophil	Germany	
9:15	9:45	New technologies for loading systems using the Isolators and RABS	Ernesto Renzi	IMA Life	USA	
9:45	10:15	Forum discussion/Questions	Moderator:	ISL-FD's member Organizing Committee		
10:15	10:30	Coffee break and Exhibition session				
10:30	11:00	Toward full noninvasive monitoring of a freeze-drying process	Roberto Pisano	Politecnico di Torino	Italy	
11:00	11:30	Rapid Moisture Monitoring and 100% Container Closure Inspection of Lyophilized Vials	Dr. Derek Duncan	Lighthouse Instruments	USA	
11:30	12:00	Forum discussion/Questions	Moderator:	ISL-FD's member Organizing Committee		
12:00	13:30	Lunch break				
13:30	14:00	Controlled nucleation	Mark Shon	SP Scientific	USA	
14:00	14:30	Stopper sticking in Lyophilization	Joe Brower	IMA Life	Italy	
14:30	15:00	Forum discussion/Questions	Moderator:	ISL-FD's member Organizing Committee		
15:00	15:15	Coffee break and Exhibition session				
15:15	15:45	A comparison of freeze drying and spray drying	Isobel Cook	Biopharma	UK	
15:45	16:15	Freeze Dry Microscopy as an analytical tool in the formulation laboratory	Ruben Nieblas	McCrone Microscopes & Accessories	USA	
16:15	16:45	Forum discussion/Questions	Moderator:	ISL-FD's member Organizing Committee		
<b>October 4th</b>						
<b>Session 3: Alternatives/new developments</b>						
8:15	8:30	Opening				
8:30	9:00	Foam drying	Victor Bronstein	Universal Stabilization Technologies	USA	
9:00	9:30	Continuous Freeze Drying	Jos Corver	RheaVita	Netherlands	
9:30	10:00	Forum discussion/Questions	Moderator:	ISL-FD's member Organizing Committee		
10:00	10:15	Coffee break and Exhibition session				
10:15	10:45	Towards the in situ study of bacterial single cells following freeze-drying using synchrotron radiation	Stephanie Passot	INRA	France	
10:45	11:15	Freeze-dried Collagen Sponges: Modulation of pore size, structure and mechanical properties	Mrinal Shah	LifeCell Corporation	USA	
11:15	11:45	Microstructure design, water mobility, phase/state diagrams and the stability of freeze-dried foods and ingredients.	Pilar Buera	Departamentos de Industrias y de Química Orgánica. Facultad de Ciencias Exactas y Naturales. Buenos Aires, Argentina	Argentina	
11:45	12:15	Forum discussion/Questions	Moderator:	ISL-FD's member Organizing Committee		
12:15	12:45	Presentation and announcing winners of the Awards	Kevin Tebrinke	ISL-FD's President	USA	
12:30	13:00	Closing session	Kevin Tebrinke	ISL-FD's President	USA	
13:00	14:00	Lunch break				