



Short Course: Surfactants and Biopharmaceuticals - A Love - Hate Relationship  
Saturday, November 3, 2018

9:00 am – 9:15 am	<b>Introductions and Welcome</b> Satish Singh, Ph.D., Lonza Atanas Koulov, Ph.D., Lonza
9:15 am – 9:45 am	<b>Surfactants Used in Biopharmaceutics Today: An Overview and a Safety Perspective</b> Satish Singh, Ph.D., Lonza
9:45 am – 10:15 am	<b>Synthesis and Control of Polysorbates for Biopharmaceutical Applications</b> Sreejit Menon, Ph.D., Croda
10:15 am – 10:45 am	<b>A Brief Introduction to the ins and outs of Poloxamer Synthesis</b> Benjamin Sueess, Kolb
10:45 am – 11:00 am	Coffee Break
11:00 am – 11:45 am	<b>Mechanisms of Stabilization of Proteins by Surfactants</b> Tarik Khan, Ph.D., Roche
11:45 am – 12:30 pm	<b>Mechanisms of Oxidative Degradation of Proteins by Surfactants</b> Christian Schöneich, University of Kansas
12:30 pm – 1:30 pm	Lunch Break
1:30 pm – 2:30 pm	<b>Mechanisms of Hydrolytic Degradation of Surfactants - focus on enzymatic hydrolysis</b> Vincent Corvari, Ph.D., Lilly
2:30 pm – 2:45 pm	Coffee Break
2:45 pm – 3:30 pm	<b>Degradation of Surfactants and Impact on Product Quality - focus on impact on product quality</b> Barthélemy Demeule, Ph.D., Genentech
3:30 pm – 4:00 pm	<b>Behavior of Surfactant During Processing - UF/DF, filter adsorption</b> Hanns-Christian Mahler, Lonza



4:00 pm – 4:45 pm

**Control of PS80 Degradation During bioprocessing**

Jie Chen, Ph.D., Bristol-Myers Squibb