FRESNO STATE
Institute for Food and Agriculture

Filtration of Milk & Dairy Products

Dairy Products 301

Thursday, May 7, 2026

CALIFORNIA DAIRY INNOVATION CENTER

8:00 – 8:30 AM	Doors open. Registration, coffee & refreshments
8:30 – 8:45 AM	**Opening Remarks & Introductions** *Dr. Rolston St. Hilaire, Dean, Jordan College of Ag. Sciences & Technology*
8:45 – 9:15 AM	**Why Filter Milk and Whey? Market Drivers and High Protein Products** *Veronique Lagrange, CDIC & Dr. Philip Tong, CalPoly SLO Prof. Emeritus*
9:00 – 9:45 AM	**Fundamentals of Filtration** *Todd Hutson, Tetra Pak* • System design principles, operating membrane systems • Major applications in dairy processing (UF milk, whey, lactose, cheese and yogurt)
10:00- 10:45 AM	**Dairy Membranes, Part I** *Christian Wingate, Acuriant Technologies, Inc.* • Types of membranes and key concepts
10:45 -11:15AM	Networking Coffee Break ▪ Membrane "autopsy" demo, products sampling
11:15-11:45 AM	**Dairy Membranes, Part II** *Christian Wingate, Acuriant Technologies, Inc.* • Innovation and optimization
11:45-12:15 PM	**Pricing of Milk and Filtered Dairy Ingredients** *Mike McCully, McCully Group*
12:15-1:00 PM	Networking Lunch
1:00-1:45 PM	**Overview of Membrane Systems** *Todd Hutson, Tetra Pak* ▪ Operations and controls ▪ How to run systems effectively and consistently ▪ Water, energy considerations
1:45-2:15 PM	**Small Plants, Pilot and Modular Options** *Sean Lambeth, Membrane Process & Controls Inc.* • Case studies from small and medium dairy plants, pilot plants • Considerations in design, output and efficiencies
2:15-3:00 PM	**Membranes Protection & Cleaning, Automation** *Carl Garcia, Membrane Program Manager, Hydrite* ▪ Prevent and solve #1 operations issue ▪ Automation in CIP
3:00-3:30 PM	Coffee Break, Demos and Product Sampling
3:30- 4:15 PM	**Panel & Group Workshop – Operations Optimization & Best Practices** Facilitated Discussion, Q&A with Speakers and Industry *Moderator: Dr. P. Tong, CalPoly SLO Prof. Emeritus* Topics: Filtration Challenges, System Inefficiencies, Sanitation Audits, Cost Scenarios
4:15-4:30 PM	**Closing Remarks & Certificate Distribution**
Optional	Post Conference Networking & 1-on-1 with speakers

Program organized by the **California Dairy Innovation Center**/ CMAB, in collaboration with industry. Hosted by Fresno State Institute for Food and Agriculture. Sponsored by CDIC, Fresno State, Pacific Coast Coalition, Dairy Management Inc. **More information at:** www.cdic.net **or** vlagrange@cmab.net

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