



2022

EVENT PROGRAM

Nov 10 & 11 | 1:30pm - 7:00pm MST

Virtual Live Webinar

SCHEDULE OF EVENTS

November 10th 2022

1:30 PM

Waiting Room Opens

1:45 PM

Foamation: The Science of Foam

Jen Blair

3:00 PM

IBUs and the SMPH Model

John-Paul Hosom

4:00 PM

qPCR and Why it's a Must-Have Tool

Aras Klimas

5:00 PM

**Exogenous, Endogenous,
and Hop Enzymes Oh My!**

Emily Wang

6:00 PM

Open Discussion, Q&A

NOV 10 SPEAKERS



JEN BLAIR

Jen Blair is an Advanced Cicerone and National BJCP beer judge. She is the Exam Manager for the Cicerone Certification Program and co-host of False Bottomed Girls, a podcast about beer and brewing.



JOHN-PAUL HOSOM

John-Paul Hosom has been an avid homebrewer since 2012. He has a Ph.D. in computer science, with a focus on the modeling and classification of speech data.



ARAS KLIMAS

Aras J. Klimas is the founder and CTO of Midwest Microbio. With several years of QA experience and a background in biochemistry and bioinformatics, he is focused on expanding and revolutionizing cost-effective molecular testing for the beverage industry.



EMILY WANG

Emily founded & developed a tech-based start-up focused on providing timely & convenient laboratory services to the brewing industry. Designed with an eye for data tracking and a QA/QC focus, Fermly strives to give every brewer the opportunity to have a consistent, quality product affordably.

BREWING SCIENCE SYMPOSIUM

SCHEDULE OF EVENTS

November 11th 2022

1:30 PM

Waiting Room Opens

2:00 PM

Microwave Micro Media

Dana Garves

3:00 PM

**Hops and Oates:
an early 80s Smooth Rock Approach
to Starting a Sensory Program**

Loy Maierhauser

4:00 PM

Optimize Your Cellar Operations

Paul Anderson

5:00 PM

A Day in the Lab

Amy Todd

6:00 PM

Open Discussion, Q&A

NOV 11 SPEAKERS



DANA GARVES

Dana Garves is the founder and beer chemist for Oregon BrewLab. She believes in accessible science education - and that means beer science included!



AMY TODD

Amy Todd has spent over a decade in craft beer holding laboratory positions at Zero Gravity and Magic Hat Brewing. She is now the laboratory scientist for Zymology Labs by Bia Diagnostics



PAUL ANDERSON

Paul Anderson is from Oregon and based in Portland. He is the Technical Chair for the MBAA District NW, an international beer judge, and the Founder and Managing Consultant for Technical Brewer.



LOY MAIERHAUSER

Loy is the COO at MAP Brewing in Bozeman, Montana. She is an Advanced Cicerone and BJCP Judge, and her passion for educating and empowering others in the beer industry drives her daily work.

BREWING SCIENCE SYMPOSIUM



Brewing
Science
Symposium

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