



8th International Symposium on Aquatic Animal Health

September 2-6, 2018 - Charlottetown, Prince Edward Island, Canada



Quantitative Atlantic Salmon Health (QASH) assessment-workshop

Thursday Sept 6th, 2018; MacDonald Room

09:30 AM Welcome to QASH! – The QASH core team

Biomarkers session – Karin Pittman

09:35 AM **Powell** - A Healthy Fish Can Handle What Nature Throws At It: Allostasis in Fish Health

09:50 AM **Braceland** - Challenges in the Biomarker Pipeline

10:05 AM **Briceño** - A Risk Assessment Matrix for Smolt Welfare in Atlantic Salmon: Insights from Chile

10:20 AM **Auchterlonie** - Declining Marine Ingredient Inclusion Levels and a Hypothesized Link with Fish Health in Farmed Atlantic Salmon

Barriers and stressors session – Mark Powell

10:35 AM **Pittman** - Barrier Status in Skin, Gills and Guts: Mapping the Dynamics of the Innate Immune System throughout the Production Cycle with Statistically Robust Results

10:50 AM **Chikwati** - Gut Health Monitoring During the Seawater Phase of Farmed Atlantic Salmon in Different Production Regions of Norway - The GutMatters Project

11:05 AM **Mella** - Practical Applications of Quantitative Image-Based Assessment of Digital Pathology Slides in Chilean Salmon Industry

11:20 AM **Sveen** - Wound Healing and the Effect of Chronic Stress in Post-Smolt Atlantic Salmon (*Salmo salar*)

11:35 AM **WORKSHOP 1 - Biomarkers And Barriers – Criteria, Cutoff Levels, Long-Term Effects, And Remedial Actions? – Mark Powell and Karin Pittman**

12:00 PM **Lunch**

1:10 PM Welcome back!

Available tool boxes session

1:15 PM **Sandlund** - The Do's and Don'ts of Real Time RT-PCR As A Tool In Fish Diagnostics: Evaluating Important Parameters, Pitfalls and Results Bias

1:30 PM **Onken** - HealthPortal: Putting Production, Health and Environmental Data to Use For The Aquaculture Industry

1:45 PM **WORKSHOP 2 - Tool boxes available – ease of use, global applicability, time usage? Integrated pest management and threshold values to elicit a response? – Robin Shields**

2:15 PM Overview of Results, Comments, Volunteers for Core International QASH Proposal Work

2:45 PM The Knowledge Gaps And Missing Tools In The Toolbox; Core QASH Objectives For 2019

3:15 PM Concluding Remarks