

## **2nd Annual RAS-N Workshop (October 8-9, 2020\*)**

Hosted by the Institute of Marine and Environmental Technology (IMET)  
and Maryland Sea Grant

Workshop Registration: <https://bit.ly/RASNWorkshop2020>

*\*All times are Eastern Standard Time (EST)*

### **Wednesday October 7th**

6:30PM – 7:30PM: *Virtual Social Hour (Register for Social Hour: <https://bit.ly/RAS-NSocialHour>)*

### **Thursday October 8th**

**10:00AM – 10:01AM: Call to Order – Yoni Zohar (IMET, MD)**

**10:01AM – 10:05AM: Welcome – Russell Hill (IMET - University of Maryland, MD)**

**10:05AM – 10:10AM: Sea Grant Welcome – Fredrika Moser (Maryland Sea Grant, MD)**

**10:10AM – 10:30AM: Welcome and Introduction to the 2020 Workshop – Yoni Zohar (IMET, MD)**

**10:30AM – 11:10AM: Plenary Lecture on RAS Economics - Carole Engle (Engle-Stone Aquatics, VA)**

10:30-11:00: *Plenary Talk*

11:00-11:10: *Q&A and Discussion*

**11:10AM – 12:20PM: Economics Group Presentation/Panel (and Q&A)**

Moderator: Scott Knoche (Morgan State University, MD)

Panelists: Chris Hlubb (Salmo, MD), Kevin Tait (Whole Oceans, ME), David Noyes (Nordic Aquafarms, MA), Ole C. Norvik (AquaCon, MD), Carole Engle (Engle-Stone Aquatics, VA)

11:15 - 11:25: *Introduction/Brief Presentation - Kaitlynn Ritchie (Morgan State University, MD)*

11:25 - 12:10: *Lightening Round of Topics*

12:10 - 12:20: *Audience Q&A*



**12:20PM - 2:40PM: Lunch Break, GAA Session on RAS**

Link to GAA: <https://www.aquaculturealliance.org/goal/>

**2:40PM - 2:45PM: Introduction of Research Updates**

**2:45PM - 3:35PM: Research Update – Off-flavor and Mitigation**

2:45 - 2:50: Introduction to Off-flavor: Steve Summerfelt (Superior Fresh, WI)

2:50 - 2:55: Technology for Removing Geosmin: Jack Holland (Exciton Clean Water Treatment, CA)

2:55 - 3:05: WI Sea Grant and Related UWSP-NADF Work: Greg Fischer (UWSP – Northern Aquaculture Demonstration Facility, WI)

3:05 - 3:15: Off-flavor Research at TCFFI: John Davidson (The Conservation Fund Freshwater Institute, WV)

3:15 - 3:25: New Mitigation Strategies: Ole C. Norvik (AquaCon, MD)

3:25 - 3:35: Audience Q&A

**3:35PM – 4:05PM: Research Update – Early Maturation and Mitigations**

3:35 - 3:50: Early Maturation Introduction (w/ Audience Q&A): Chris Good (The Conservation Fund Freshwater Institute, WV)

3:50 - 4:05: Mitigation (w/ Audience Q&A): Ten-Tsao Wong (IMET, MD)

**4:05PM - 4:50PM: Research Update - AquaFeeds R&D Status**

4:05 - 4:20: Aquafeeds Introduction (w/ Audience Q&A): Jason Mann (Riverence, WA)

4:20 - 4:35: Updates on Alternatives Feeds (w/ Audience Q&A): Allen Place (IMET, MD)

4:35 - 4:50: Skretting R&D (w/ Audience Q&A): May-Helen Holme (Skretting, Stavanger, Norway)

**Adjourn Day 1**



**Friday October 9th**

**10:00AM – 10:05AM: Good Morning Day 2, Housekeeping – Yoni Zohar (IMET, MD)**

**10:05AM – 10:45AM: Plenary Lecture on Workforce Development - Alejandro Rojas (AquaBounty Technologies, IN)**

10:05 - 10:35: Plenary Talk

10:35 - 10:45: Q&A and Discussion

**10:45AM – 10:50AM: Introduction of Career & Workforce Development Panel (CWFD)**

**10:50AM – 12:30AM: Career & Workforce Development Panel (CWFD)**

Moderators: Adam Frederick (Maryland Sea Grant College, MD) and Emma Wiermaa (UWSP–Northern Aquaculture Demonstration Facility, WI)

Panelists: Michael Thompson (Whole Oceans, ME), Alejandro Rojas (AquaBounty Technologies, IN), Sarah Cook (Skretting, New Brunswick, Canada), Greg Fischer (UWSP–Northern Aquaculture Demonstration Facility, WI), Mary S. Tudor (University of Maine, ME)

10:50 - 11:35: Panel Discussion of Atlantic Salmon RAS Technician:

General Discussion of Position (15 minutes)

Identify Categories of Skills for Position (15 minutes)

Breakdown of Specific Competencies (15 minutes)

11:35 - 11:45: Audience Q&A

11:45 - 12:30: Breakout Session

11:45 - 11:50: Breakout Session Introduction

11:50 - 12:20: Breakout Rooms

12:20 - 12:30: Breakout Reports

**12:30PM - 1:30 PM: Lunch**



**1:30PM – 2:00PM: White Paper Update – Presentation and Discussion**

Moderators - Cat Frederick (University of Maryland Sea Grant Extension, MD) and John Stubblefield (IMET, MD)

**2:00PM - 2:30PM: Virtual Aquaculture Facility Tours**

*Virtual Tour of TCFFI's Aquaculture Facility (Brian Vinci/Chris Good)*

*Virtual Tour of IMET Aquaculture Research Center (Yoni Zohar and others)*

**2:30PM – 3:15PM: Themes and Objectives for Moving Forward**

*2:30 - 2:35: Breakout Session Introduction*

*2:35 - 3:05: Breakout Rooms*

- Where do we focus energies in the coming year? What are priorities for Year 2?
- Bringing Us Together: Ideas for outreach, extension, conferences (RAS-N sessions), and regional events
- Improving academic-industry partnerships via collaborative grants

*3:05 - 3:15: Breakout Reports*

**3:15PM – 3:45PM: Sea Grant Leadership/NOAA Perspective**

Panelists: Danielle Blacklock (NOAA - Office of Aquaculture), Jim Hurley (Wisconsin Sea Grant), Fredrika Moser (Maryland Sea Grant), Gayle Zydlewski (Maine Sea Grant)

**3:45PM - 3:50 PM: Concluding Comments – Steve Summerfelt**

**3:50: Closing of Workshop – Yoni Zohar**

