

# Bevan Symposium & SAFS Centennial Celebration



**APRIL 16, 2019—DAY 1 SCHEDULE**



SCHOOL OF AQUATIC & FISHERY SCIENCES

Due to overwhelming response, registration is now closed, but you can watch online at: <https://washington.zoom.us/j/181925175>

- 12:30 pm **Welcome and Announcements**  
(Lisa Graumlich, Dean, UW College of the Environment (CoE); Bill Karp, NOAA, Retired; and André Punt, SAFS)
- 12:45 **SAFS Then and Now: A Century of Growth, Change, and Success**  
(David Armstrong, SAFS, Retired)
- 1:15 **SESSION 1: Portraits from the Waters: The Biology and Ecology of Aquatic Species**  
(Chairs: David Armstrong and Bill Karp)
- Systematics and molecular biology**
- 1:15 So many pickled fishes: how we came to have them and why we continue to collect  
(Ted Pietsch, SAFS, Retired)
- 1:35 Lightning talks
- The modern taxonomist: using new tools to solve old problems  
(Duane Stevenson, NOAA AFSC)
  - Considering epigenetics in aquatic species culture and conservation  
(Steven Roberts, SAFS)
  - Reef fish biodiversity in the 21st century: revealing the hidden half  
(Luke Tornabene, SAFS)
- 2:00 Panel discussion (Moderator: Tim Essington, SAFS)
- 2:20 **Break**
- Life history, including reproductive biology, physiology, adaptation, morphology**
- 2:40 Salmon, trout, and the UW Fisheries program (Tom Quinn, SAFS)
- 3:00 Lightning talks
- Collective decision making in animal migrations (Andrew Berdahl, SAFS)
  - Ecophysiology and reproductive biology in a changing environment  
(Jacqueline Padilla-Gamiño, SAFS)
  - Dungeness crab: complex life history and a Puget Sound mystery  
(Sean McDonald, SAFS)
- 3:25 Panel discussion (Moderator: Tim Essington)
- Populations and community ecology**
- 3:45 Lessons from “lesser” taxa (Chelsea Wood, SAFS)
- 4:05 Lightning talks
- In search of the polar bear: building better methods for monitoring a threatened carnivore (Sarah Converse, WA Coop & SAFS)
  - Aquatic aliens among us (Julian Olden, SAFS)
  - Portfolio effects in Bristol Bay sockeye salmon (Lauren Rogers, NOAA AFSC)
- 4:30 Panel discussion (Moderator: Tim Essington)
- 4:50 **Closing Remarks and Announcements**  
(Bill Karp and André Punt)
- 6:00 **Reception at the School of Aquatic and Fishery Sciences (registrants only)**

Disability Accommodations: Contact the Disability Services Office at 206-543-6450 (voice), 206-543-6452 (TTY), 206-685-7264 (fax) or [dso@uw.edu](mailto:dso@uw.edu) for accommodation requests. The requests can be responded to most effectively if received by April 5, 2019.

# Bevan Symposium & SAFS Centennial Celebration



**APRIL 17, 2019—DAY 2 SCHEDULE**



SCHOOL OF AQUATIC & FISHERY SCIENCES

Due to overwhelming response, registration is now closed, but you can watch online at: <https://washington.zoom.uw/j/962359671>

- 7:30 am **Light Breakfast**
- 8:30 **SESSION 2: Aquaculture** (Chair: Graham Young, WRAC and SAFS)  
**General**
- 8:30 AQ 101: An introduction to aquaculture in Washington  
(Laura Hoberecht, West Coast Regional Office, NOAA Fisheries)
- 8:40 Marine aquaculture in the US? Why should we care? (Mike Rust, NOAA Fisheries Office of Aquaculture)
- 8:55 A tribal perspective: sustainable harvest over the next seven generations  
(Kurt Grinnell, Jamestown S'Klallam Tribe)
- 9:10 Global aquaculture issues (Halley Froehlich, UC Santa Barbara)
- 9:25 Epigenetics: a molecular resource for advancing aquaculture (Mackenzie Gavery, UW-JISAO)
- 9:40 **Break**
- Shellfish** (Chair: Carolyn Friedman, SAFS)
- 10:05 Merging science and experience to shape policies that benefit Washington's shellfish industry  
(Bill Dewey, Taylor Shellfish Farms)
- 10:20 Gone viral, the global emergence of an oyster-killing virus and its potential impacts on the shellfish industry (Colleen Burge, University of Maryland)
- 10:35 SAFS and shellfish/seaweed restoration (Betsy Peabody, Puget Sound Restoration Fund)
- 10:50 Seafood, it's not just for dinner (Teri King, UW Washington Sea Grant)
- Finfish** (Chair: Penny Swanson, NOAA NWFSC)
- 11:05 SAFS and finfish culture; progress in sustainable feeds (Ron Hardy, University of Idaho)
- 11:15 Salmonid conservation aquaculture (Barry Berejikian, NOAA NWFSC)
- 11:30 **Q&A and Discussion** (Chair: Steven Roberts)
- 11:55 **Closing Remarks** (Kenneth K. Chew, WRAC and SAFS, Retired)
- 12:00 **Lunch & Networking Session**
- 1:00 pm **SESSION 3: Fisheries Management** (Chair: André Punt)
- 1:00 100 years of SAFS leadership (Bill Clark, IPHC, Retired)
- 1:30 Gauging the impact of a changing climate on Alaska's sustainable fisheries  
(Jim Balsiger, NOAA National Marine Fisheries Service)
- 1:45 Improving fishing gear and methods to reduce bycatch and effects on habitat  
(Craig Rose, NOAA, Retired)
- 2:00 A brief history of SAFS influence on California Current and Alaska groundfish fisheries  
(Melissa Haltuch, NOAA NWFSC)
- 2:15 The role of habitat in salmon management (George Pess, NOAA NWFSC)
- 2:30 Lightning talks
- Being in the room where it [scientific review] happens (Kristin Privitera-Johnson, SAFS)
  - Economics matters for management (Melissa Krigbaum, SAFS)
  - The status of world fisheries (Mike Melnychuk, SAFS)
  - Linking science to decisions (Tessa Francis, UW Tacoma)
- 3:10 **Break**
- 3:30 The legacy of SAFS and fisheries management
- NMFS perspective (Cisco Werner, NOAA)
  - NGO perspective (Rod Fujita, Environmental Defense Fund)
  - Industry perspective (Wally Pereyra, Arctic Storm Management Group)
- 4:30 General Discussion—Q&A
- 4:50 **Closing Remarks and Announcements** (André Punt)
- 6:00 **Dinner on your own**

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# Bevan Symposium & SAFS Centennial Celebration



**APRIL 18, 2019—DAY 3 SCHEDULE**



**SCHOOL OF AQUATIC & FISHERY SCIENCES**

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- 7:30 am **Light Breakfast**
- 8:30 **SESSION 4: Ecosystems** (Chair: Anne Hollowed, NOAA AFSC)
- 8:30 Reflections on the journey from fisheries oceanography to ecosystem based fishery management (Anne Hollowed)
- 8:50 Implementing EBFM—challenges and opportunities (Vera Agostini, FAO)
- 9:10 Illuminating pathways of resilience through integrated modeling (Kirstin Holsman, NOAA AFSC)
- 9:30 Life history spatial and temporal constraints and adaptability to climate change (Lorenzo Ciannelli, Oregon State University)
- 9:50 Managing multiple ecosystem objectives in coastal regions (Mary Ruckelshaus, The Natural Capital Project, Stanford University)
- 10:10 **Break**
- 10:30 Biocomplexity: the ecological and evolutionary dynamics of aquatic landscapes (Daniel Schindler, SAFS)
- 10:50 Rockfish recruitment processes and ecosystem studies in the California Current (John Field, NOAA SWFSC)
- 11:10 Climate change impacts and responses in coastal communities (Edward Allison, UW SMEA)
- 11:30 Lightning talks
- Detecting climate signals in noisy data (Christine Stawitz, NOAA Science and Technology Division)
  - Accounting for species interactions when defining biological reference points (Grant Adams, SAFS)
  - Forage fish complex management in a changing climate (Caitlin Allen Akselrud, SAFS)
- 12:00 **Panel Discussion**  
On-ramps for inclusion of climate change in EBFM (David Fluharty, UW SMEA; Kerim Aydin, NOAA AFSC; and Phil Levin, UW SEFS & TNC)
- 12:30 **Lunch**
- 1:30 **SESSION 5: The Future of Aquatic and Fishery Sciences** (Chair: Ray Hilborn, SAFS)  
Overarching Question: What does SAFS need to do in the future to provide services to different constituencies?  
Introduction (Ray Hilborn)
- 10-minute viewpoints from stakeholders/constituents
- 1:40 Multidimensional training for multidimensional graduate students: better preparing tomorrow's leaders (Yaamini Venkataraman, SAFS)
- 1:50 We can adaptively manage fish populations; can we adaptively manage SAFS? (Kerry Naish, SAFS)
- 2:00 Back to the fishes: fish biologists, recreational fisheries, and prevailing ecology in Washington (Raymond Buckley, SAFS)
- 2:10 A tribal government fisheries team perspective (Isabel Tinoco, Muckleshoot Indian Tribe)
- 2:20 A state government perspective (Kelly Susewind, WDFW)
- 2:30 Future of science at NOAA's Northwest Fisheries Science Center (Kevin Werner, NOAA NWFSC)
- 2:40 A long history and future collaborations between the Alaska Fisheries Science Center and the UW School of Aquatic and Fisheries Sciences (Robert Foy, NOAA AFSC)
- 2:50 Challenges and opportunities for fisheries in the 21st century: a global perspective (Vera Agostini)
- 3:00 **Break**
- 3:20 A multi-stakeholder perspective on the future of aquatic and fishery sciences (Mary Ruckelshaus)
- 3:30 Chance favors the prepared mind: marine microbiology to cholera prediction and prevention (Rita Colwell, University of Maryland at College Park and Johns Hopkins Bloomberg School of Public Health)
- 3:40 The seafood industry in the near term—the next 5–10 years (Glenn Reed, Pacific Seafood Processors Association)
- 3:50 The role of SAFS in informing the future of US Aquaculture (Jim Parsons, Cooke Aquaculture Pacific)
- 4:00 **Panel Discussion** (Moderator: Tim Essington)
- 4:30 **Closing Presentations** (Julia Parrish, SAFS; Ray Hilborn)
- 5:00 **Close**
- 6:00 **Final Reception at the Center for Urban Horticulture (registrants only)**

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