

LIST OF PREVIOUS AFS-FHS CONTINUING EDUCATION CLASSES

Year	Class title	CE hrs	Location	Dates	Instructors
1994	Review and Identification of Selected Fish Viruses		Bozeman, MT	June	Jim Winton, Ron Hedrick
1995	Histopathology	8	Twin Falls, ID	June 6	John Morrison, Beth Mac Connell, Charlie Smith
1996	Hematology	7	Corvallis, OR	June 25	Mike Kent, Charlie Smith
1996	Hematology	7	Madison, WI	Aug 9	Mike Kent, Colleen Caldwell
1997	Marine Fish Diseases	20	San Diego, CA	Jan 6-8	George Benz, Martin Chen, Jack Fournie, Michael Kent and Dennis Thoney
1997	Marine Fish Diseases	20	Monterey, CA	July 14-16 & 16-18	George Benz, Martin Chen, Jack Fournie, Michael Kent and Dennis Thoney
1997	Diseases of Marine Invertebrates	6	Bodega Bay, CA	June 18	Carolyn Friedman
1998	Epidemiology	7	Nanaimo, BC	June 24	Craig Steven
1999	Judicious use of Antimicrobial compounds in Aquaculture	8	Twin Falls, ID	June 8	Larry Hammell, Dave Erdahl, Jed Varney, Marilyn Blair, Ray Brunson, Craig Olson
2000	Fish Immunology	8	Gig Harbor, WA	June 27	Ken Cain, Charlie Smith, Doug Anderson, Marilyn Blair, William Cox, Jason Mann, Bev Dixon, Roger Palm, Robert Busch, and Harry Dickerson
2000	Fish Health Laboratory Workshop	12	Boise, ID	July 19-20	Multiple
2000	Oyster Disease Workshop		Pensacola, FL	Sept 9	Ralph Elston, Robert Adlard
2001	Neoplasia in Fishes	6.5	Victoria, BC	June 29	Jack Fournie, Mark Myers
2002	Fish Hematology	4	Charleston, SC	March 22	Jill Arnold
2002	8th Biennial Fish Diagnosticians Workshop	9	Stuttgart, AR	April 2-3	Andrew Mitchell, Linda Pote, Andy Goodwin, Billy Griffin, John Hawk, Ron Thune, Bill Hempstreet
2002	Newer Diagnostic Methods for Fish Diseases	6	Corvallis, OR	June 24	Karl Andree, Bill Batts, Ron Pascho, Matt Powell, Mike Kent
2003	Molecular Biology - the Basics	7	Gettysburg, PA	April 25	Ted Clark, Jim Casey
2003	Virology	8	Seattle, WA	July 14-16 & 16-18	Scott LaPatra, Andy Goodwin, Bill Keleher, John Grizzle, Bill Batts, Evi Emmenegger, Paul Bowser
2004	Tumor Biology in Fish	7	Atlantic Beach, NC	March 26	Jack Fournie, Jeff Wolf, Vicki Blazer, Paul Bowser
2004	Early Fish Development	7	Juneau, AK	June 22	Joseph Cloud
2004	Advances in Fish Parasitology	7	Shepherdstown, WV	July 29	Bassem Allam, Vicki Blazer, Alistair Dove, Sascha Hallett, Drew Mitchell

2005	Spring Viremia of Carp	7	Shepherdstown, WV	June 17	Barry Hill, David Stone, Igor Shchelkunov, Sue Marcquenski, Robert Bakal, Jill Rolland, Andy Goodwin
2005	Risk Assessment Principles	7	Boise, ID	June 27	Wendy Fineblum Hall and Ken Stepushyn,
2005	Current Topics in Aquatic Toxicology	7	Minneapolis, MN	July 30	Andy Goodwin, Wolfgang K. Vogelbein, Patricia S. Gaunt, Rod Getchell, John M. Besser, Jack Fournie, Donald Tillitt
2006	Emergency Preparedness for Fish Facilities	7	Charleston, SC	March 31	Greg Christy, Jill Roland, Kathleen Hartman, Lori Gustafson, Stephen Ellis, Helen Roberts, Stacey Gore, Joseph Sillitti, Ty Vannieuwenhoven, Myron Kebus
2007	The Changing World of Fish Nutrition	7	Victoria, BC	June 26	Ron Hardy, Gibson Gaylord, Wendy Sealey, Shannon Balfry, Brad Hicks, Jason Mann, Chris Beattie
2007	Clinical Pathology of Fishes	6	Gettysburg, PA	June 22	Charlie Innis, Sal Frasca, Jill Arnold, Scott Weber
2007	Viral Haemorrhagic Septicemia	4	Teton, WY	June 4	Paul Bowser, Jim Casey, Jim Winton, Jill Rolland, Kyle Garver
2008	Viral Haemorrhagic Septicemia	4	Atlantic Beach, NC	April 4	Paul Bowser, Jim Casey, Jim Winton, Jill Rolland, Gael Kurath, John Lumsden
2008	Statistics and study design for fish health	6	Charlottetown, PEI	July 9	L. Hammell, C. McClure, D. Rainnie, H. Burnley
2009	Life support and fish husbandry for disease studies	6	Lake Placid NY	April 30	Al Dove, Eric Hall, Paul Bowser, Greg Wooster
2010	Histopathology: Interpreting the Facts	6	Shepherdstown, WV	May 28	Mac Law, Lester Khoo, Jeff Wolf, Sal Frasca, Susan Knowles, Akinyi Nyaoke, and Al Camus
2010	Pathogens of Naturally Occurring Populations	6	Corvallis, OR	June 22	Scott Webber, Scott Foott, Ray Brunson, Chris Wilson, Scott LaPatra, Maureen Purcell, Stephen Atkinson, Sascha Hallett, Marcia House and Craig Banner
2011	Systematic Fish Histology and Histopathology (Part 2)	6	Charleston, SC	March	Steve Smith, Jeff Wolf, Lester Khoo, Mac Law, Al Camus, Sal Frasca
2011	Practical Tools for Managing Bacterial Kidney Disease	6	Nanaimo, BC	June 14	Laura Brown, Shannon Balfry, Diane Eliot, Nellie Gagné, John Lumsden, Martha Rhodes, Christine Moffitt, Jim Bowker, Larry Hammell, Maureen Purcell, Doug Munson, and Sonja Saksida
2012	Understanding the OIE	6	Lake Placid, NY	April 27	Gary Egrie, Andy Goodwin, Joanne Constantine, Lori Gustafson, Kathleen Hartman, Gregory Chinchar, Keith Way, Gael Kurath, and Somkiat Kanchanakhan
2012	Fish Nutrition, Feeds and Feeding	6	Boise, Idaho	June 14	Wendy Sealey, T. Gibson Gaylord, Ron Twibell, Heidi Hill, Ann Gannan, and Biswamitra Patro
2012	Molecular Diagnostic Tests for Aquatic Animal Pathogens: Regulatory Perspectives, Current Methods and	8	LaCrosse WI	August 3	Rod Getchell, Maureen Purcell, Mike Hoffman, Dean Jobe, Peter Vanderloo, Andy Goodwin, Paul McGraw, Chris Wilson and Janet Whelan

Emerging Technologies					
2013	Approaches and Considerations for Proper Fish Welfare	6	Gettysburg, PA	May 3	Stephen Smith, Roy Yanong, Brent Whitaker, Laura Noll, Paul Anderson and Leigh Ann Clayton
2013	Freshwater and Marine Biotoxins	6	Port Townsend, WA	June 18	Wayne Carmichael, Paul Zimba, Rod Getchell, Mike Kent, Jerry Borchert, and Jack Rensel
2014	Fish Pharmacology and Treatment	6	Sheperdstown, WV	May 2	Mark Fast, Lincoln Tubbs, Sophie St. Hilaire, Shane Boylan, Okechukwu Igboel, Stacey Gore
2014	Existing and Emerging Programs, Procedures, and Issues Involving Aquatic Animal Health & Welfare for the Practicing Aquatic Veterinarian		Portland, OR	Sept 4	Chris Good, Olga Haenen, Kevin Snekvik, Patricia Gaunt, Jena Questen, J Jeffries, Lori Gustafson, Esteban Soto, Tim Miller-Morgan
2015	Crustacean Health and Disease RACE Program # 16774	5	Charleston, SC	March 6	Mark Fast, Salvatore Frasca, Phillip Byrne, Karen Burnett and Jordan Poley
2015	What's bugging my fish? Detection, pathology, impacts, and treatment of problematic parasites" RACE Program # 17283	4	Steamboat Springs, CO	June 2	Drew Mitchell, Barry Nehring, Eric Fetherman and Sascha Hallett
2015	Prevention of Infectious Diseases in Aquatic Animals: Management Practices and Vaccines RACE Program # 17885	6	Ithaca, NY	July 13	Marta Gomez-Chiarri, William Keleher, Denise Petty, Irene Salinas, Andrew Wargo, and Peter Merrill
2016	Evaluation of the accuracy of diagnostic tests for aquatic animal diseases: tips, tricks and traps RACE Program # 546-23929	6	Atlantic Beach, NC	April 15	Ian Gardner
2016	Landscape Ecology and Modeling in Fish Health RACE Program # 546-25475	6	Jackson Hole, WY	June 7	Gael Kurath, Rachel Breyta, Maureen Purcell, Marine Brieuc, Paige Barlow Ferguson, and Russell Perry
2017	Quality Management System Training RACE Program # 546-28948	8	East Lansing, MI Suquamish, WA	April 7 June 20	Kelly Burkhart

2018	Phlebotomy and Blood Analysis for Fish and Invertebrates RACE Program #546-32299	7	Chattanooga, TN	April 13	Jill Arnold, Scott Weber, Shane Boylan, Johnny Shelley, Pilar J Nelson, Roy Yanong, and Mark Fast
2018	Renibacterium salmoninarum and Bacterial Kidney Disease RACE Program #546-33057	6	Bozeman, MT	June 22	Marilyn "Guppy" Blair, Diane G. Elliott, Sally Gee, Vicki Milano, Christine M. Moffitt, Sonia L. Mumford, Doug Munson, and Linda D. Rhodes
2018	Evaluation of Diagnostic Sensitivity and Specificity of Tests for Aquatic Animal Diseases RACE Program # 546-33934	6	Charlottetown, Prince Edwards Island, Canada	Sept. 2	Ian Gardner
2018	Phlebotomy and Blood Analysis for Fish and Invertebrates RACE Program # 546-33934	4	Charlottetown, Prince Edwards Island, Canada	Sept. 2	Jill Arnold, Brent Whitaker, Pilar J. Nelson, and Mark Fast
2018	Uses of Virtual Microscopy in Diagnostic Fish Pathology RACE Program #	3.5	Charlottetown, Prince Edwards Island, Canada	Sept. 2	Hamish Roger, Rod Getchell, Polyana Silva, James Hoare, and David Groman
2018	Practical Bivalve Shellfish Disease Detection and Necropsy RACE Program # 546-33934	4	Charlottetown, Prince Edwards Island, Canada	Sept. 2	Roxanna Smolowitz, Jeff Davidson, and Mary Stephenson
2018	American Association of Fish Veterinarians Session "The History and Status of Fish Medicine in North America" RACE Program # 546-33934	6	Charlottetown, Prince Edwards Island, Canada	Sept. 3	Hugh Mitchell, Bary Milligan, Patrick Whittaker, Stephen Reichley, Diane Morrison, Nora Hickey, Jeff Wyatt, Myron Kibus, Patricia Gaunt, Janet Whaley, John Shelley, Jessie Sanders, and Bernita Giffin
2018	World Aquatic Veterinary Medical Association Session "Advances in Aquatic Veterinary Medicine"	5	Charlottetown, Prince Edwards Island, Canada	Sept. 4	Arun Dhar, Horwald Llano, David Scarfe, Timothy Miller-Morgan, Christine Parker-Graham, Stacey Pulver, Christine Parker-Graham, Christine Parker-Graham, and Nora Hickey

RACE Program # 546-33934

2019	Aquatic Parasitology RACE Program # 546-36040	5	Lake Placid, NY, USA	April 5	Roy Yanong, Sascha Hallett, Jan Lovy, Mark Fast, and Shane Boylan
2019	Flavobacteria and Integrated Fish Health Management RACE Program # 546-37033	6.5	Ogden, Utah, USA	June 20	Wade Cavender, Thomas Loch, Ken Cain, Ben LaFrenz, Gregory Wiens, Doug Munson, David Burbank, Anita Kelly, and Bill Hemstreet
2022	Applied Nutrition for Disease Management RACE Program # 20-907640	5.5	Hood River, Oregon, USA	May 19	Aimee Reed, Ann Gannam, Clarie Couch, Jacques Rinchar, Jie Ma, Tim Bruce, and Wendy Sealey
2023	Fish and Aquatic Invertebrate Welfare CE Broker/RACE Program # 20-933065	5.0	Atlantic Beach, NC, USA	March 31	Sarah Wahltinez, Shona Whyte, Ashley Emanuele, Michael Pietrak, and Jackson Gross
2023	Impacts of Climate Change on Aquatic Animal Health CE Broker / RACE Program # 20-1042054	4.5	Parksville, British Columbia, Canada	June 8	Laura Sitter, Craig Stephen, Maya Groner, Tim Green, Reyn Yoshioka, Patrick Whittaker, Suja Aarattuthodi, Julie Alexander and Sascha Hallett
2023	Molecular Biology tools: from Diagnostics to Understanding Epidemiology to Guide Aquatic Animal Health Management	6.0	Burlington, Vermont, USA	July 25	Jan Lovy, Rod Getchell, Tom Waltzek, Wade Cavender, Nellie Gagne, Ben LaFrenz, Luke Iwanowicz, Sascha Hallett, and Matt Griffin