



SCHEDULE AT A GLANCE

Subject to Change / Times are in ET

Monday, May 16: Workshops/Special Sessions	
1:00 PM – 3:00 PM	Radiology Workshop <i>Marina Ivancic, ZooRadOne</i>
Wednesday, May 18: Conference Day 1	
10:30 AM – 11:00 AM	Morning Mingle
11:00 AM – 11:15 AM	Welcome & Introductions
11:15 AM – 11:45 AM	Keynote: Ocean Outbreak <i>Drew Harvell, Cornell University</i>
11:45 AM – 12:00 PM	BREAK
12:00 PM – 1:40 PM	SESSION 1: Conservation I Chair: David Krucik, Stanford University
Coral Reef Rescue <i>Andy Stamper, Walt Disney Company</i>	
Integrated Conservation Planning for Cetaceans: A One-Plan Approach <i>Forrest Gomez, National Marine Mammal Foundation</i>	
Conservation Health: Prioritizing the Health of Our Systems <i>Claire Simeone, Sea Change Health</i>	
Earth's Largest Animals Have Two Hearts: The Special Theory of Evolution Validated and Its Implication for Blue Whale Conservation <i>Richard Lambertsen, Freelance</i>	
Translating Navy Marine Mammal Medicine into Conservation Medicine: A Historical Perspective <i>Cynthia Smith, National Marine Mammal Foundation</i>	
Sea Otter Conservation & Rehabilitation: They Are Not Mutually Exclusive <i>Mike Murray</i>	
1:40 PM – 2:40 PM	BREAK
2:40 PM – 5:15 PM	SESSION 2: Conservation II Chair: Sarah Wahltinez, University of Florida, College of Veterinary Medicine
Translational Medicine Application of Epigenetics to Dolphin Conservation <i>Ashley Barratclough, National Marine Mammal Foundation</i>	
Overcoming the Challenges of Blow-Sampling with UAS in Small Cetaceans <i>Jason Bruck, Stephen F. Austin State University</i>	
Furthering the Usage of Genetic Material from Blow Samples for Beluga Health Monitoring <i>Bailey McKenna, The College of Wooster</i>	
Temporal Changes in Expression of Inflammatory and Regulatory Genes in Blow versus Blood in the Beluga, <i>Delphinapterus leucas</i> <i>Ebru Unal, Mystic Aquarium</i>	
How Fecal Glucocorticoid Metabolite (FGM) Analysis Can Be Used as a Noninvasive Tool to Assess and Monitor Health in Beluga Whales (<i>Delphinapterus leucas</i>) <i>Maureen Driscoll, Mystic Aquarium</i>	
3:55 PM – 4:10 PM	BREAK
Biobanking samples in the Frozen Zoo®: downstream applications to endangered species conservation <i>Marlys Houck</i>	
Tools for remotely assessing health in endangered free-ranging killer whales (<i>Orcinus orca</i>) <i>Joseph K. Gaydos</i>	

Bycaught or Not: Postmortem Computed Tomography as a Tool to Assess Peracute Underwater Entrapment in Stranded Cetaceans <i>Heysen Hei Nam Ho, City University of Hong Kong</i>
Preliminary Observations on Implantation and Efficacy of Internal Acoustic Tags in Loggerhead Sea Turtles (<i>Caretta caretta</i>) and External Acoustic Tags in Leatherback Sea Turtles (<i>Dermochelys coriacea</i>) <i>Charles Innis, New England Aquarium</i>
End of Day 1

Friday, May 20: Conference Day 2

11:00 AM – 11:15 AM	Welcome & Introductions
11:15 AM – 2:45 PM	SESSION 3: <i>In situ</i> Health Chair: <i>Kaylee Brown, Pacific Marine Mammal Center</i>
Batrachochytrium salamandrivorans Can Devour More than Salamanders <i>Anastasia Towe</i>	
Clinical Presentation and Pathologic Findings of Systemic Histoplasmosis in a Northern Sea Otter Pup (<i>Enhydra lutris kenyoni</i>) <i>Courtney Pace, Alaska SeaLife Center</i>	
Patterns of Antimicrobial Resistance in Free Ranging Gray Seal (<i>Halichoerus grypus</i>) Pups in the Northwest Atlantic <i>W. David Krucik, Stanford University</i>	
Treatment of Toxoplasmosis in Two Endangered Hawaiian Monk Seals (<i>Neomonachus schauinslandi</i>) <i>Sophie Whoriskey, The Marine Mammal Center</i>	
A Noninvasive Integrative Multimodal Approach to Treating Flipper Strangulation Injuries Caused by Fishing Gear Entanglements in The Hawaiian Green Sea Turtle (<i>Chelonia mydas</i>) <i>Gregg Levine, Dolphin Quest</i>	
Clinical Sedation of Alaskan Phocid Seals <i>Kathleen Woodie, Palm Beach Zoo & Conservation Society</i>	
Probable Aqueous Misdirect Syndrome (Malignant Glaucoma) in A Wild Guadalupe Fur Seal (<i>Arctocephalus townsendi</i>) <i>Kate Freeman, The Marine Mammal Center</i>	
Lipid and Hormone Indicators of Reproductive Status in Florida Manatees (<i>Trichechus manatus latirostris</i>) <i>Elizabeth Brammer-Robbins, University of Florida</i>	
1:05 PM – 1:20 PM	BREAK
Prevalence of Fishing Hook Type in Incidental Capture of Kemp's Ridley (<i>Lepidochelys kempii</i>) Sea Turtles <i>Jill Western, Mississippi State College of Veterinary Medicine</i>	
Normobaric Oxygen Therapy: an Alternative Technique for Treating Gas Embolism in Sea Turtles <i>Daniel García-Párraga, OCEANOGRAFIC</i>	
Use of qPCR to Detect Herpesvirus in Blood of California Sea Lions (<i>Zalophus californianus</i>) as a Marker of Metastatic Urogenital Carcinoma <i>Samantha Shinder, University of Miami</i>	
Establishing Renal Function Parameters and Pathology in Free-Ranging and Stranded California Sea Lions (<i>Zalophus californianus</i>) <i>Michelle Rivard, The Marine Mammal Center</i>	
Exploration of Serum Cardiac Troponin I as a Biomarker of Cardiomyopathy in Southern Sea Otters (<i>Enhydra lutris nereis</i>) <i>Megan Moriarty, University of California Davis and California Department of Fish & Wildlife</i>	
Evaluating the Possibility of Transfusion Medicine Through Crossmatching in Juvenile Galapagos Sea Lions (<i>Zalophus wollebaeki</i>) <i>Taylor Gregory, North Carolina State University College of Veterinary Medicine</i>	
2:45 PM – 3:15 PM	BREAK
3:15 PM – 5:30 PM	SESSION 4: Disease Ecology Chair: <i>Karisa Tang, Shedd Aquarium</i>
Atypical Loggerhead Sea Turtle (<i>Caretta caretta</i>) Cold-Stunning Events in Virginia <i>Allyson McNaughton, Virginia Aquarium & Marine Science Center</i>	
Clinical Outbreak of Spheniscid Herpesvirus-1 in Magellanic Penguins (<i>Spheniscus magellanicus</i>) in an Aquarium <i>Karisa Tang, Shedd Aquarium</i>	
Leptospira in California Sea Lions (<i>Zalophus californianus</i>): Climate-Associated Fadeout and Re-emergence of an Endemic Pathogen in a Wildlife Host <i>Katherine Prager, UCLA</i>	
He Shed She Shed: Predictors of Leptospira Urinary Shedding in California Sea Lions (<i>Zalophus californianus</i>) <i>Sarah Helman, University of California</i>	
4:15 PM – 4:30 PM	BREAK

Pathology and Ecology of Seasonally Recurrent Ulcerative Dermatitis: An Emerging Climate-Driven Threat to Coastal Resident Dolphins in Australia <i>Pádraig Duignan, The Marine Mammal Center</i>	
Effects of Low Salinity Exposure on Bottlenose Dolphins (<i>Tursiops truncatus</i>) <i>Abby McClain, National Marine Mammal Foundation</i>	
Selected Pathological Findings of Community Harvested Narwhal (<i>Monodon monoceros</i>) from Eclipse Sound, Baffin Island, Nunavut, Canada <i>Sandra Black, University of Calgary</i>	
Prevalence and Genotype of <i>Toxoplasma gondii</i> in Stranded Hawaiian Cetaceans <i>Nelmarie Landrau-Giovannetti, University of Florida</i>	
5:00 PM – 6:30 PM	Student Event
End of Day 2	

Monday, May 23: Workshops

12:00 PM – 4:00 PM	Coral Workshop for Veterinarians and Animal Care Staff <i>Ilze Berzins, One Water, One Health LLC</i> <i>Andy Stamper, Walt Disney Company</i> <i>Roy Yanong, University of Florida</i> <i>Ari Fustukjian, Loveland Living Planet Aquarium</i>
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Tuesday, May 24: Conference Day 3

11:00 AM – 11:15 AM	Welcome & Introductions
11:15 AM – 12:55 PM	SESSION 5 (Part 1): <i>Ex situ</i> Health I Chair: Dr. Tatiana Weisbrod
Regenerative Medicine Innovation in Aquatic Animal Medicine <i>Bob Harman</i>	
Ultrasonographic, Radiographic, Gross, and Histological Findings of a Polycystic Ovary in a Cownose Stingray (<i>Rhinoptera bonasus</i>) <i>Christa Barrett, Mississippi State University</i>	
Clinical Findings and Surgical Repair of Acquired Coelomic Hernias with Polypropylene and Porcine Mucosa Meshes in a White Spotted Bamboo Shark (<i>Chiloscyllium plagiosum</i>) <i>Julie Pujol, Université de Montréal</i>	
Ultrasonic Lithotripsy for a Vaginal Calculus in an Atlantic Bottlenose Dolphin (<i>Tursiops truncatus</i>) Under Managed Care <i>Jillian Schwartz, Dolphins Plus</i>	
Treatment of Acute Kidney Injury following Meloxicam Administration in an Atlantic Bottlenose Dolphin (<i>Tursiops truncatus</i>) <i>Kyle Ross, U.S. Army Veterinary Corps</i>	
Ultrasound-guided Cervical Cerebrospinal Fluid Centesis in Bottlenose Dolphins (<i>Tursiops truncatus</i>) <i>Marina Ivancic, ZooRadOne</i>	
12:55 PM – 1:10 PM	BREAK
1:10 PM – 3:10 PM	SESSION 5 (Part 2): <i>Ex situ</i> Health I Chair: Carolina Ruiz
Use of a Novel Insertable Cardiac Monitor in Steller Sea Lions (<i>Eumetopias jubatus</i>) For Cardiac Health Evaluation and Research <i>Martin Haulena, Vancouver Aquarium</i>	
Increasing the Dosage: Pharmacokinetics of Meloxicam after Single Administration of 1.5 mg/kg PO and IM in Large-Spotted Catsharks (<i>Scyliorhinus stellaris</i>) <i>Pablo Moron-Elorza, Fundacion Oceanografic</i>	
Using Ultrasound and Metabolic Parameters to Assess Energy and Body Condition Stores of Elasmobranchs <i>Whitney Greene, Walt Disney Company</i>	
Preoperative Temporal Radiographic and Ultrasonographic Findings in Acute Small Bowel Obstruction in Two Dolphins (<i>Lagenorhynchus obliquidens</i> and <i>Tursiops truncatus</i>) <i>Marina Ivancic, ZooRadOne</i>	
Evaluation of the Safety and Efficacy of Fecal Microbiota Transplantations in Bottlenose Dolphins (<i>Tursiops truncatus</i>) with Dysbiosis Using Metagenomic Sequencing <i>Barbara Linnehan, National Marine Mammal Foundation</i>	
Development of a Blood Bank for Bottlenose Dolphins (<i>Tursiops truncatus</i>) <i>Jennifer Meegan, National Marine Mammal Foundation</i>	

Development And Application of Live-Feed Monitoring System for Acoustic Behavior Of Bottlenose Dolphins Post-Anesthesia <i>Brittany Jones, National Marine Mammal Foundation</i>	
Zoo and Aquarium Radiology Database (ZARD), An Innovative Imaging Database Designed to Support Wildlife and Zoo Professions <i>Eric Hostnik, Chicago Zoological Society Radiology Consulting Service</i>	
3:10 PM – 4:10 PM	IAAAM Annual Business Meeting
End of Day 3	

Thursday, May 26: Conference Day 4	
11:00 AM – 11:15 AM	Welcome & Introductions
11:15 AM – 3:00 PM	SESSION 6: <i>Ex situ</i> Health II Chair: <i>Megan Strobel, National Aquarium</i>
Management of a Multiresistant Candidiasis in a Group of Bottlenose Dolphins (<i>Tursiops truncatus</i>): from Clinical to Pharmacological Approach <i>Barbara Biancani, School of Biosciences and Veterinary Medicine</i>	
Molecular Characterization of Trematodes in Florida Manatee (<i>Trichechus manatus latirostris</i>) Calves with Trematode-Associated Enterocolitis <i>Tatiana Weisbrod, University of Florida College of Veterinary Medicine</i>	
Cutaneous Mast Cell Tumors in Two Geriatric California Sea Lions (<i>Zalophus californianus</i>) <i>Grace White, University of Minnesota CVM</i>	
Intestinal Torsion in a Bottlenose Dolphin (<i>Tursiops truncatus</i>) <i>Shelly Marquardt, Clearwater Marine Aquarium</i>	
Reproductive Disease in Female Little Skates (<i>Leuroraja erinacea</i>) and Clearnose Skates (<i>Raja eglanteria</i>) <i>Megan Strobel, National Aquarium</i>	
Clinical Management of an Acute Lead Intoxication in 5 Bottlenose Dolphins (<i>Tursiops truncatus</i>) <i>Guillermo J. Sanchez-Contreras, The Dolphin Company</i>	
12:45 PM – 1:15 PM	BREAK
A Case Study Characterizing the Physiologic Responses of Cownose Rays (<i>Rhinoptera bonasus</i>) Following Freshwater Dips <i>Amber Lum, University of Illinois College of Veterinary Medicine</i>	
A Retrospective Review of Neoplasia in Fish at a Public Aquarium <i>Sarah Wright, Vancouver Aquarium</i>	
Naltrexone for the Treatment of Clinical Signs of Lateral Line Depigmentation in Palette Surgeonfish (<i>Paracanthurus hepatus</i>) <i>Megan Strobel, National Aquarium</i>	
Monitoring of Serologic Response and Adverse Effects Following Distemper Vaccination in Three Walruses (<i>Odobenus rosmarus</i>) <i>Claire Vergneau-Grosset, Faculté de Médecine Vétérinaire, Université de Montréal</i>	
Diagnosis and Management of Multicentric Lymphosarcoma in a Cownose Ray (<i>Rhinoptera bonasus</i>) <i>Sean Perry, Mississippi Aquarium</i>	
Clinical and Pathologic Findings Associated with Probable Thiamin Deficiency in Three Dolphins (<i>Tursiops truncatus</i>) Housed in a Facility in the Arizona Desert <i>Natalie Noll, Coral World Ocean Park</i>	
Discovery and Description of a Previously Unreported Os Diaphragm in Two Stenella Dolphin Species Using a Virtopsy Approach <i>Miceala Shocklee, University of Florida College of Veterinary Medicine</i>	
3:00 PM – 3:15 pm	BREAK
3:15 PM – 4:55 PM	SESSION 7: Aquatic Animal Welfare Chair: <i>Kelsey Herrick, SeaWorld San Diego</i>
Animal Welfare Introduction <i>Greg Vicino</i>	
A Review of Euthanasia Methods for Aquatic Invertebrates: Advancing Invertebrate Welfare in Clinical and Research Settings <i>Sarah Wahltinez, University of Florida, College of Veterinary Medicine</i>	
Potassium Chloride Administered via Four Routes for Euthanasia of Anesthetized Goldfish (<i>Carassius auratus</i>) <i>Ashlyn Heniff, NCSU, College of Veterinary Medicine</i>	
Environmental Enrichment Devices Reduce Stereotypical Behaviors and Habituation During Rehabilitation of Wild California Sea Lions and Northern Elephant Seals <i>Kirsten Donald, Pacific Marine Mammal Center</i>	
Corticosterone as a Prognostic Indicator in Eastern Box Turtles (<i>Terrapene carolina carolina</i>) with Traumatic Injuries Admitted to a Wildlife Rehabilitation Hospital <i>Emily Tucker-Retter, North Carolina State University</i>	

Science into Practice: Enriching the Lives of Fishes, Cephalopods, and other Aquatic Animals in Zoos and Aquariums

Sabrina Brando, Animal Concepts

Delphinoid Welfare and Message

Sam Ridgway, National Marine Mammal Foundation

5:30 PM – 7:00 PM

IAAAM Awards, Auction, and Closing

Adjourn