

**Curriculum Vitae
Todd Michael O'Hara**

Business (mailing address): Department of Veterinary Medicine
University of Alaska Fairbanks (UAF)
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Fairbanks, Alaska 99775
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EDUCATION:

Sep 1988 - May 1992 D.V.M. (Doctor of Veterinary Medicine)
University of Wisconsin, School of Veterinary Medicine
Madison, Wisconsin

Sep 1985 - Dec 1988 Ph.D. Pharmacology/Toxicology (Doctor of Philosophy)
The Medical College of Virginia
Richmond, Virginia

Sep 1983 - May 1985 M.S. in Biology (Master of Science)
Villanova University
Villanova, Pennsylvania

Sep 1979 - May 1983 B.S. in Biology (Bachelor of Science)
Villanova University
Villanova, Pennsylvania

Academic Mission: Currently, I am Principal Investigator of a teaching-research program (Wildlife Toxicology Laboratory) in a university setting that maintains senior personnel (e.g., Research Professionals) and professional colleagues that all participate in advising of students. My current administrative and faculty roles are as Coordinator of Pre-veterinary and Veterinary Student Services, and teaching of veterinary pharmacology, clinical toxicology, wildlife diseases, environmental toxicology and fundamentals of pharmacology. I led development of a new Dept. of Veterinary Medicine (as Associate Dean) with close ties to the College of Veterinary Medicine and Biomedical Sciences at Colorado State University (2+2 to train DVMs). Our efforts advance One Health research, education, and outreach that integrates undergraduate, graduate, and veterinary medical students; Post Docs; and others (e.g., high school students) in this mission. We include colleagues from other countries across the Arctic (circumpolar) and North America (North Slope of Alaska to Cabo San Lucas, Mexico). Our research emphasizes work in toxicants (especially mercury) incorporating the study of health assessments, nutrients and infectious agents (especially zoonotic) since we are holistic in our multidisciplinary approaches (One Health). Our research is evolving to better determine the use of domestic and wild vertebrates as sentinels for ecosystem health that include human populations and the animals they depend on.

PROFESSIONAL EXPERIENCE:

Jan 2020 – Present **Texas A&M University, College Station, Texas**
TBD

December 2003 – Dec 2019 **University of Alaska Fairbanks, Fairbanks, Alaska**
Department of Veterinary Medicine:
July 2014 – Dec 2019: Coord. Prevet & Veterinary Student Services, Professor Veterinary Pharmacology/Toxicology
May 2010 - July 2014: Assoc. Dean Dept. of Vet. Med.
Dept. Bio/Wildlife & Institute Arctic Biol (Dec, 03-July, 14)

February, 1995 – November, 2003 Research Biologist
Department of Wildlife Management
North Slope Borough
Box 69, Barrow, AK 99723

May, 1993 - January, 1995 Assistant Professor, Toxicology
College of Veterinary Medicine
Mississippi State University
Mississippi State, MS 39762

June, 1992 - April, 1993 Wildlife Toxicologist
Wisconsin Department of Natural Resources
Bureau of Wildlife Management
Madison, WI 53707

LICENSED VETERINARIAN:

States of Alaska (#417)

OTHER ACADEMIC POSITIONS:

Affiliate Professor, Inst. of Northern Engineering, Univ. of Alaska Fairbanks, since 2018.

Affiliate Associate Professor, Department of Chemistry & Biochemistry, Univ. of Alaska Fairbanks, since 2008.

Affiliate Associate Professor, Colorado State University, College of Veterinary Medicine and Biomedical Sciences, Dept of Microbiology, Immunology & Pathology, since 2005.

CONSULTATION (Veterinary Environmental Toxicology Services, "VETS" our family company)
Provide document & proposal review, study design assistance & data interpretation for confidential clients including adverse effects of oil (petroleum) hydrocarbons & activities (noise) on mammals (e.g., assess risks of petroleum hydrocarbons to cetaceans); contaminants from industrial activities in local foods for humans; general health, condition, & disease status of mammals; and related activities (e.g., review veterinary post mortem and clinical data).

GRADUATE STUDENT ADVISING (Committees, **bolded** actively advised currently):

PhD Committees (advisor or co-advisor)

1. Dr. Kimberlee Beckmen (co-advisor Dr. J. Blake) Ph.D., graduated UAF summer, 1999.
2. Dr. Victoria Woshner, (co-advisor Dr. V Beasley), Ph.D., graduated University of Illinois, College of Veterinary Medicine spring, 2000.
3. Dr. Larissa Dehn (co-advisor Dr. Erich Follmann), Ph.D., graduated UAF spring 2006
4. Dr. Cheryl Rosa (co-advisor Dr. John Blake) Ph.D., graduated UAF spring 2006
5. Dr. Richard Bernhardt (co-advisor Dr. F. Von Hippel) Ph.D. graduated UAF Spring 2008
6. Dr. Sara Moses, Ph.D., graduated UAF Summer 2010
7. Dr. Cassandra "Cassie" Kirk, Ph.D., graduated UAF Spring 2011
8. Dr. Katrina Knott, Ph.D., graduated UAF May 2012
9. Dr. Caroline Van Hemert, Ph.D. (co-advisor Diane O'Brien) graduated UAF May 2012
10. Dr. James Willacker (co-advisor Dr. F. Von Hippel), UAF Ph.D., Graduated Fall 2013
11. Dr. Christoff "Buck" Furin (co-advisor w/ F. Von Hippel) UAF Ph.D., Graduated Fall 2014
12. Dr. John Harley, UAF PhD, Graduated Fall 2017.
13. Stephanie Kennedy, UAF PhD, graduated Fall 2019
14. Dr. Daniela Cisneros, CICIMAR (La Paz, Mexico), PhD, graduated Fall 2018
15. **Marianne Lian**, PhD candidate, interdisciplinary program, Depts of Chemistry and Veterinary Medicine, UAF, matriculated Spring 2015.
16. Andrew Cyr, UAF PhD, graduated Fall 2019.
17. **Francesca Pancaldi**, CICIMAR (La Paz, Mexico), PhD student matriculated Fall 2016
18. **Isis Baró Camarasa**, CICIMAR (La Paz, Mexico), PhD student matriculated Fall 2017
19. **Eduardo M. DaSiveira**, CICIMAR (La Paz, Mexico), PhD student matriculated Sp 2018

MS Committees (advisor or co-advisor)

20. Mr. Torsten Bentzen (co-advisor Dr. Erich Follmann), M.S. graduated UAF Spring 2007
21. Ms. Lucy Correa, MS, Graduated Fall 2013
22. **Ms. Erika "Johana" C. Castorena**, CIBNOR (La Paz, Mexico), matriculated Fall 2017
23. **Ms. Karisa Sommermeyer**, Colorado St. U., MS matriculated, Summer 2018 (co-advisor)
24. **Ms. Valeria Beltrán Valdivia**, CIBNOR (La Paz, Mexico), MS, matriculated Fall 2018

Served/serving on, not as advisor, 7 PhD Committees (Rooney, Hare-Sanford, Lewis, McGrew, Barrera-García (I), Larson, Hansen) & 3 MS Committees (Brookens, McHuron, Crawford).

Post Doctoral Researchers Supervised:

- Dr. Azada Azadapour (1993-1994, Mississippi State University)
- Dr. Tamara Cardona-Marek (2007-2008, UAF).
- Dr. Camilla Lieske (Feb 2008 – June 2012, UAF)
- Dr. Rebecca Bentzen (April 2012 – April, 2014, UAF)

COURSES TAUGHT (active in **bold**)

Department of Biology and Wildlife, UAF:

Fundamentals of Pharmacology (Fall 2016, 2018)

Environmental Toxicology (spring and fall 2010, fall 2012 & 2014)

Wildlife Diseases (spring 2005, 2006, 2007, 2008, 2016; fall 2011, 2013, 2017, & 2019)

Comparative Vertebrate Anatomy (spring 2011 and 2012)

Arctic Contaminants (spring 2005, 2006)

Chemical Immobilization of Wildlife (workshop provided as needed)

Fundamentals of Biology (BIOL 106, spring, 2007, team taught)

Basic and Wildlife Histology (fall 2007)

Intensive Toxicology: Molecular and Epidemiologic Focus (Summer Session 2007)

Department of Veterinary Medicine

Veterinary Clinical Toxicology (fall 2016, 2017, 2018, 2019)

Veterinary Pharmacology (fall 2016, 2017, 2018, 2019)

COURSES TAUGHT (before UAF): Assistant Prof (Adjunct), Ilisagvik College, Mammals of Alaska (1998, 1997). Visiting lectures, Natural History of Alaska at Ilisagvik College (1997). Envirovet Instructor, an intensive short course (6 weeks, summer) in environmental sciences (1992, 1994, 1998, 2001, 2002, 2004 through 2011). Veterinary Toxicology and Environmental Toxicology at Mississippi State University, College of Veterinary Medicine (1994)

COMMITTEES/SERVICE (since 2012)

- Consult with various industries and nonprofit organizations related to oil and gas exploration and development impacts on fish, wildlife and humans.
- Program Coordinator, interim Director, and member of Management Advisory Committee (MAC) for Univ of Alaska NIH funded INBRE Program (Sept. 2008 - Feb., 2013)
- Program Coordinator (prior to and including as Assoc Dean) UAF Veterinary Medicine Steering Committee (evolved into Dept. of Veterinary Medicine); May 2010 - July, 2014
- Pre-Veterinary advisor for the Department of Biology and Wildlife (Jan., 2004-July, 2014); for Department of Veterinary Medicine (statewide, July 2014-present)
- Biomedical Planning Group University of Alaska (June 2010 through Summer 2012)
- Frontiers in Aquatic Physiology; Editorial Review Board Member (2006 – present)
- Alaska Scientific Advisory Committee for Fish Consumption (June, 2000 to present)
- NOAA Working Group Unusual Marine Mammal Mortality Events (June, 2008- Aug, 2014)
- Member of Ethics Advisory Committee (EAC) for Marine Mammal Society (July 2013 – present)
- Chair of numerous searches for Faculty at UAF (e.g., Veterinary Immunologist X2, Veterinary Physiologist, Veterinary Internist, Veterinary Anatomist, Large Animal DVM, Medical Virologist, Epidemiologist, INBRE faculty...). Near continuous involvement as Committee Member searching for faculty from 2008 to May, 2014 (building new Department from ground up)
- Chair of Unit Peer Review Committees, Tenure & Promotion (2016, 2017, 2018)
- Veterinary Diagnostics Advisory Committee (UAF); July 2014-present.
- Oil Spill Recovery Institute (OSRI) Scientific & Technical Comm., Nov. 2015 – Summer 2019
- Colorado State Univ. DVM Student Admissions Committee (May 2016 to present)
- Faculty Advisor for Prevet Club (Fall 2011-present) and Veterinary Business Management Association (Fall 2016 to present, DVM student club)
- Colorado State University CVMBS Steering Committee

Related Experience (Major Themes):

1) **Large Whales**: International Whaling Commission (1995-2009, 2012 – present):

Invited Participant (IP), International Whaling Commission (IWC) Scientific Committee (SC), Anchorage, AK (May 4-17, 2007) for 1) Workshop: Infectious/Non-infectious Diseases of Marine Mammals (May 4-6, 2007) & 2) IWC SC meeting May 6-17, 2007; and IP for IWC SC, St Kitts and Nevis (May-June, 2006).

Member of U.S. delegation IWC SC in Sorrento, Italy in 2004; Berlin, Germany in 2003 (including Whale Killing Methods Workshop); Shimonoseki, Japan for April 27 to May 22, 2002; London, UK for July 4-24, 2001; Adelaide, Australia for June 12 to July 6, 2000; Grenada for May 1-May 20, 1999 (including Whale Killing Methods Workshop); Muscat, Oman during April 27-May 10, 1998, Aberdeen, Scotland for June 5-17, 1996, & Dublin, Ireland, May 22-June 2, 1995 (including rapporteur for “Humane Killing Workshop”).

Member (2000-2009), Steering Committee for IWC “Pollution 2000+” program (assess impacts of contaminants on cetaceans, area of expertise in “toxicology”).

Current Manuscript submitted: With Texas Tech Univ. – optimization of Russian gray whale epidermis/blubber biopsies for health assessments related to oil and gas activities.

Related Experience (Major Themes) con'd:

2) One Health (OH) Mission for Wildlife Toxicology Laboratory (2005 to present):

Overall Integration of Funding for One Health Mission

USEPA, NIH, NOAA, etc. funded efforts represent integrated support for “sentinel” species (toxicants & zoonotic diseases) and human subjects research to advance OH (see rest of CV).

Rural Alaska Monitoring Program (RAMP)

Alaska Native Tribal Health Consortium (ANTHC) & Wildlife Toxicology Laboratory (WTL) operate RAMP. WTL utilizes invertebrate & vertebrate sentinels to monitor environmental agents of diseases. Mosquitoes and whole blood soaked filter papers (serology) from vertebrates collected by network we organize. Mosquitoes tested by PCR for pathogen DNA.

“RAMP” Mexico

Above efforts developed in Baja California Sur, Mexico in remote areas (agricultural & wildlife). Environmental monitoring of agents important to Public Health fit with One Health paradigm.

Barrow and Sitka (Alaska) NIH BLaST funded, Hg exposure of Alaskans

OH & subsistence: linked via 1) direct biosampling of subsistence users assessing their Hg exposure & diet, 2) relate animal health & consumption to human health. Chemical feeding ecology & diet surveys directly consider pathways of exposure to Hg (OH and Public Health).

Marine Mammal Medicine Chapter (O'Hara and Hart, 2018)

My coauthor and I integrated One Health concepts into a clinically oriented text. One Health is not just a standalone effort, but integrated into other products, paradigms and perspectives.

One Health Theses and Dissertations (training One-Health Practitioners)

Training MS, PhD, DVM, MD and others as OH practitioners achieved as single degree and combined degree efforts. For example, Harley, 2018 PhD entitled “*One Health Toxicology*”.

Arctic Marine Mammal OH (as presented in O'Hara and Harley, 2018)

Many Alaskans live an OH paradigm. Our holistic contaminant studies are important for wildlife management & Alaskan consumption of marine organisms (natural OH laboratory). With Native Village of Kotzebue we study marine organism food items as “end of the fork” and ecologically, including comparative physiology (air breathing marine mammals present different array of foods & contaminant profiles compared to fish). Our bowhead whale studies linked animal health, ecology, & contamination with human food security & consumer exposure [edible whale tissues, dietary pathways (feeding ecology, prey)]. In parallel, intensive whale health assessments included possible contaminants, and other factors, related adverse effects.

Developer of *One Health Necropsy Workshop* (avian, fish, mammals), conducted since 2005 to present (Fairbanks, Kotzebue, Sitka, & Delta Junction in Alaska; Todos Santos, Mexico)

Member Oceans & Human Health Initiative (OHHI) National Advisory Panel (NOAA), 2007-09.

Instructor at “Marvet” (short course, veterinary students interested in marine animal medicine), Mote Marine Laboratory, Sarasota, Florida, June 2001, July 2002, & June 2006 & 2009.

Bottlenose dolphin capture program at Mote Marine Laboratory (Florida) led by Dr. Randall Wells (Chicago Zoo. Soc.) – intensive health assessment program, area of focus in toxicology (1997, 2001, 2002, 2004, 2006, 2009, and 2010 field seasons).

Lead on establishment of gray whale “health” sampling and examination program in Chukotka, Russia (2001-2004) with more recent assessment of remote biopsies (2013-2018).

REVIEWER (journals and programs, alphabetic order):

Aquatic Toxicology, Alces, Alaska Department of Environmental Conservation (ADEC) Petroleum hydrocarbon review, Archives of Environmental Contamination and Toxicology, Arctic (the journal), Australian Marine Mammal Centre (National Marine Mammal Scientific Committee), J. of Cetacean Research and Management, Chemistry Central Journal, Chemosphere, Chilean Antarctic Institute (INACH), proposal reviewer, California Ocean Protection Council, EcoHealth, Conservation Letters, Ecology & Oceanography of Harmful Algal Blooms ("ECO HAB" federal multi-agency program), Endangered Species Research, Environmental Health Perspectives (NIEHS publication), Environment International, Environmental Research, Environmental Science and Pollution Research, Environmental Pollution, Environmental Toxicology and Chemistry, Estuaries and Coasts, European Cetacean Society, Frontiers in Aquatic Physiology, Harbor Branch Oceanographic Institution, Inc. (2001 Protect Wild Dolphin Program), International Journal of Environmental Research and Public Health, International Whaling Commission Scientific Committee Report, Journal of Toxicology and Environmental Health, Journal of Wildlife Diseases, Marine Ecology – Progress Series, Marine Mammal Science, National Fish and Wildlife Foundation (NFWF), Natural Sciences and Engineering Research Council (NSERC), National Science Foundation, NIEHS Center: Exposures, Diseases, Genomics and Environment (EDGE), Nature, Northern Contaminants Program (Canada), NOAA, Northwest Fisheries Science Center Internal Grants Program, Polar Biology, *Rangifer*, Proc of Royal Society: Biological Sciences, Science of the Total Environment, Scientific Review Board (SRB), Minerals Management Service (MMS), Society of Marine Mammology, University of California Davis, Sea Grant Program, University of Washington Royalty Research Fund, US Fish and Wildlife Service-Contaminants Program.

GRANTS/CONTRACTS AWARDED:

Twenty-nine grants awarded (\$2,748,898) and completed **prior to 2010** not listed individually below. Those not completed, or underway, from 2010 to present listed below.

O'Hara Principal Investigator (2010-present):

1. "Sentinel Carnivore Species for Arctic Ecosystem Health", \$150,000 per year as project PI. NIH funded INBRE award (summer 2004-summer 2010; INBRE Program PI Happ). \$750,000
2. "Contaminants & Nutrients in Alaskan Subsistence Foods: Striking a Balance", NIH funded (Mohatt COBRE PI), O'Hara Project PI, 2007-12. \$125,000 per year for 5 years, \$600K
3. "Infectious & Non-Infectious Disease Agents Assessment for a Decreasing Population of Harbor Seals in the Glacier Bay National Park"; Nat Park Serv; \$114K spr. 2008 to fall 2011.
4. "UAF - North Slope Arctic Fox Diagnostic and Research Initiative: Health status and zoonotic diseases" (BP Alaska, Inc.), \$14,040. Fall 2010 through Fall 2011.
5. Alaska Pinnipeds Contaminants Ecology, Alaska Department of Fish and Game, Fall 2010 through summer 2011. PI. \$35,000. Assessing contaminants in Steller sea lions. [annually awarded, please see # 8, 11, 13, 14; then as multiyear awards #15, 20, 22, 33, 34.]
6. Arctic Marine Mammal Contaminants, Alaska Department of Fish and Game, Fall 2010 through summer 2011. PI. \$58,125. Assessing contaminants in ice seals and walrus of Alaska. [continuing awards, please see # 12, 17, 28.]

O'Hara Principal Investigator con'd (2010-present):

7. Alaska INBRE, Toxicogenomics and Feeding Ecology of Hg in Fish Fed Sled Dogs, Mar 2011 to Mar 2012; \$50,000
8. Assessing Ice Seal Stable Isotopes, Alaska Department of Fish & Game, Fall 2010 - summer 2011. PI. \$22,500. Assess general feeding ecology & contaminants in pinnipeds of Alaska.
9. National Park Service (Nov 2011 – Sept 2015), Development of Protocol for Freshwater Contaminants Monitoring in SE Alaska Parks. \$114K. PI.
10. Alaska Native Tribal Health Consortium (USFWS; spring 2012-summer 2014), Rural Alaska Monitoring Program (RAMP) [toxic and infectious agents], \$84K [con'd as USEPA, #21]
11. "Alaska Pinnipeds Contaminants Ecology (FY12)", Alaska Department of Fish and Game, Fall 2011 - summer 2012. O'Hara PI. \$92,500. Assessing contaminants in Steller sea lions.
12. "Tissue analysis for stable isotopes (C & N) and total and methyl Hg", Alaska Dept of Fish & Game, Fall 2011 - summer 2012. O'Hara PI. \$25,000.
13. "Alaska Pinnipeds Contaminants Ecology" Alaska Department of Fish and Game, August 2012 - June 2013. O'Hara PI., \$117,000
14. "Steller Sea Lion Contaminants", AK Sea Otter and Steller Sea Lion Commission, \$6,000
15. Regional, seasonal & species trophic feeding ecology of western & central Aleutian Steller sea lion prey. Rea and O'Hara (Co-PIs). NOAA. \$112K; Aug, 2014 to Jan, 2016
16. Understanding Hg in Alaska Halibut, Alaska Dept of Environment Conservation, July 2012 to June 2016, O'Hara PI, \$300,000.
17. Walrus Mercury Analyses, Alaska Department of Fish and Game, July 2015 - June 2016. O'Hara PI., \$11,870 [UAF S21315]
18. NIH funded BLaST Equipment Award, O'Hara (PI), 7/1/2015 -6/30/2016, \$88.8K
19. NIH funded BLaST Equipment Award, O'Hara (PI), 7/1/2016 -6/30/2017, \$7.8K
20. Alaskan Pinniped Ecotoxicology. Rea and O'Hara (Co-PIs). U. S. Dept of Commerce (NOAA-NMFS-AK-2015-2004372), \$370,462, 2/01/2016-1/31/2018 [UAF s20981]
21. Rural Alaska Monitoring Program (RAMP), collaboration with Alaska Native Tribal Health Consortium (source USEPA Star Grant; July 2014 to July 2019), \$595,000
22. Adverse effects of contaminants in Steller sea lions: Immune and Oxidative Stress Status. O'Hara (PI), Dept. of Commerce, NOAA, \$546,300, July 2016 to **July 2020**
23. NIH funded BLaST Workshops to Enhance Opportunities for Undergraduate Training in Biomedical Research, O'Hara (PI), Jan 1, 2015 – **June 30, 2020** [Running total = \$173.8K]

O'Hara Principal Investigator con'd (2010-present):

24. NIH funded BLaST Faculty Pilot Project (FPP), Assessment of diets and Hg exposure in Alaskans, July 1, 2017– June 30, 2019; \$60K
25. Mexican Social Security Institute, Analyses of bioavailable fractions of mercury and arsenic in cereals, legumes and breast milk. Jan 2018-**Jan 2020**. \$49,800 (US)
26. NIH T35 Award, Veterinary Scholars Summer Research Program, Subaward \$99,000, Co-PI with Colorado State Univ. (8/1/2017-**7/31/2022**)
27. 'Mercury 101 Workshop Southeast Alaska' June 1, 2018 to **Jan. 31, 2020**, O'Hara PI, \$35,000, Sponsored by Hecla Greens Creek Mining Company.
28. Ice Seal Mercury Analyses for Alaska Department of Fish and Game (July 2018 to June 2019), O'Hara PI. \$14,000.
29. Ocean Peace Research Partnership, Univ. of Alaska Foundation, \$300K, Rea & O'Hara. One Health Ecotoxicology: Steller sea lions. **Dec 2018 – no end date**
30. Hilcorp, Inc., *Hilcorp Alaska Marine Methane Student Research Support* (fellowship), Univ. of Alaska Foundation. Gift, \$290K, O'Hara & Rea. **Dec 2018 – no end date**

O'Hara as Co-Investigator (active from 2010 to present):

31. Northern Fur Seals (*Callorhinus ursinus*) as Sentinels for Contaminant Exposure in the North Pacific Ocean. Dooley and Duncan Co-PIs (Colorado State Univ), O'Hara as Collaborator (UAF, \$9,399). Summer 2011-Summer 2013
32. Western Gray Whale Biopsy Sample Analyses Program. Celine Godard-Codding (PI), Co-PI at \$45,200; 1/1/12 to 12/31/2017. Exxon-Mobil via Texas Tech Univ.
33. Tracing pathways of mercury exposure to Alaska pinnipeds in the Aleutian Islands and the Bering Sea., Dept. of Commerce, NOAA, \$1,121,891, July 2016 to **July 2020**
34. Are contaminant concentrations in young Steller sea lions in the Western Aleutian Islands associated with altered endocrine & immune systems? NOAA, \$839,080 [Co-I via RSA], Apr 2016- **July 2020**
35. Modeling diet composition of adult female Steller sea lions in the western and central Aleutian Islands. NOAA, \$1,017,000 [Co-PI with Rea], October 2019 - **July 2022**
36. A novel isotopic approach to identify pathways of methylmercury biomagnification through marine food-webs of the Aleutian Islands, Alaska, North Pacific Research Board, O'Hara as Co-I, \$438K (O'Hara portion approximately \$30K) Dec. 2019 (estimated) to **Dec. 2023**

PUBLICATIONS (past to recent, three decades of publishing, coin of the realm for academia):
Key: undergraduate, graduate, Post Doc, O'Hara as *PhD or **DVM student

1989-1999 (PhD, DVM, start of northern Alaska research efforts)

1. Fariss, M.W., M.H. Merson, *T.M. O'Hara. 1989. Alpha Tocopheryl-Succinate Protects Hepatocytes from Chemical-Induced Toxicity Under Physiological Calcium Conditions. *Toxicology Letters* 47:61-75. [PMID: 2496490]
2. *O'Hara, T.M., J.F. Borzelleca, E.C. Clarke, M.A. Sheppard, L.W. Condie. 1989. A Carbon Tetrachloride and Chloroform Interaction Study in Isolated Hepatocytes: Selection of a Vehicle. *Fundamental and Applied Toxicology* 13: 605-615. [PMID: 2612791]
3. Borzelleca, J.F., *T.M. O'Hara, C. Gennings, R.H. Granger, M.A. Sheppard, L.W. Condie. 1990. Interactions of Water Contaminants I. Plasma Enzyme Activity and Response Surface Methodology Following Gavage Administration of Carbon Tetrachloride and Chloroform or Trichloroethylene Singly and in Combination in the Rat. *Fundamental and Applied Toxicology* 14: 477-490. [PMID: 2340978]
4. *O'Hara, T.M., J.F. Borzelleca, E.C. Clarke, M.A. Sheppard, L.W. Condie. 1991. A Carbon Tetrachloride and Chloroform Interaction Study in Isolated Hepatocytes: Phenobarbital-induced and Metyrapone Pretreated Cells. *J of Applied Tox* 11: 147-154. [PMID: 2061553]
5. Fairbrother, A., M. Fix, **T. O'Hara, C.A. Ribic. 1994. Impairment of Growth and Immune Function of Avocet Chicks from Sites with Elevated Arsenic, Selenium and Boron. *Journal of Wildlife Diseases* 30: 222-233.
6. Elfarra, A.A., P.J. Sausen, R.J. Duescher, **T.M. O'Hara, A.J. Cooley. 1994. Methimazole Protection of Rats Against Gentamicin-Induced Nephrotoxicity. *Canadian Journal of Physiology and Pharmacology* 72: 1238-1244 [PMID: 7882190]
7. McCoy, C.P., T.M. O'Hara, L.W. Bennett, C. Boyle, B. Lynn. 1995. Liver and Kidney Concentrations of Zinc, Copper and Cadmium in Channel Catfish: Variations Due to Size, Season and Health Status. *Veterinary and Human Toxicology* 37: 11-15. [PMID: 7709581]
8. O'Hara, T. M., L. Bennett, C.P. McCoy, S.W. Jack, S. Fleming. 1995. Lead Poisoning and Toxicokinetics in a Heifer and Fetus Treated with EDTA and Thiamine. *J. of Veterinary Diagnostic Investigation* 7: 531-537. [PMID: 8580178]
9. O'Hara, T.M., **A. Azardpour**, J. Lawton-Scheemaker, P. Gerard. 1997. Oxytetracycline Residues in Channel Catfish: A Feeding Trial. *Veterinary and Human Toxicology* 39: 65-70. [PMID: 9080628]
10. O'Hara, T.M., C. House, J. House, R. Suydam, J.C. George. 1998. Viral Serologic Survey of Bowhead Whales, *J. Wildlife Disease* 34: 39-46.
11. O'Hara, T.M., J. Dau, G. Carroll, J. Bevins, R. Zarnke. 1998. Evidence of Exposure to *Brucella suis* biovar 4 in Moose of Northern Alaska. *Alces* 34: 31-40.
12. Krone, C.A., P.A. Robisch, K.L. Tilbury, J.E. Stein, E.A. Mackey, P.R. Becker, T.M. O'Hara, L.M. Philo. 1999. Elements in Liver Tissues of Bowhead Whales (*Balaena mysticetus*). *Marine Mammal Science* 15: 123-142.
13. Edmonds, M.D., F.M. Ward, T.M. O'Hara, P.H. Elzer. 1999. Use of Western Immunoblot Analysis for Testing Alaskan Moose (*Alces alces*) Serum for *Brucella suis* biovar 4 Specific Antibodies. *Journal of Wildlife Diseases* 35: 591-595 [PMID: 10479098]
14. O'Hara, T., D. Dasher, J.C. George, and V. Woshner. 1999. Radionuclide Levels in Caribou of Northern Alaska in 1995-1996. *Arctic* 52 (3): 279-288.
15. O'Hara, T.M., T.F. Albert, E.O. Øen, L.M. Philo, J.C. George, A.L. Ingling. 1999. The Role of Eskimo Hunters, Veterinarians, and Other Biologists in Improving the Efficiency of the Subsistence Harvest of Bowhead Whales. *Journal of the American Veterinary Medical Association* 214 (8): 1193-1198. [PMID: 10212682]

PUBLICATIONS (past to most recent) con'd:

16. O'Hara, T.M., M.M. Krahn, D. Boyd, P.R. Becker, L.M. Philo. 1999. Organochlorine Contaminant Levels in Eskimo Harvested Bowhead Whales of Arctic Alaska. *Journal of Wildlife Diseases* 35: 741-752. [PMID: 10574534]
17. George, J.C., J. Bada, J. Zeh, L. Scott, S.E. Brown, T. O'Hara, and R. Suydam. 1999. Age and Growth Estimates of Bowhead Whales (*Balaena mysticetus*) Using Aspartic Acid Racemization. *Canadian Journal of Zoology* 77: 571-580.
18. Beckmen KB, Ylitalo GM, Towell RG, Krahn MM, O'Hara TM, Blake JE. 1999. Factors affecting organochlorine contaminant concentrations in milk and blood of northern fur seal (*Callorhinus ursinus*) dams and pups from St. George Island, Alaska. *The Science of the Total Environment* 231: 183-200. [PMID: 10472134]
19. Krahn, M.M., D.G. Burrows, J.E. Stein, P.R. Becker, M.M. Schantz, D.C.G. Muir, T.M. O'Hara, T. Rowles. 1999. White whales from three Alaskan stocks- concentrations and patterns of persistent organochlorine contaminants in blubber. *J. of Cet Res and Mgt* 1: 239-250.

2000-2009 (con'd northern Alaska, transition to UAF research – One Health, pinnipeds)

20. Cooper, L.W., I.L. Larsen, T.M. O'Hara, S. Dolvin, V. Woshner, G.F. Cota. 2000. Radionuclide contaminant burdens in arctic marine mammals harvested during subsistence hunting. *Arctic* 53: 174-182.
21. O'Hara, T.M., G. Carroll, P. Barboza, K. Mueller, J. Blake, V. Woshner, C. Willetto. 2001. Minerals and Heavy Metal Status as Related to a Mortality Event and Poor Recruitment in a Moose Population in Alaska. *Journal of Wildlife Diseases* 37(3): 509-522. [PMID: 11504224]
22. Rosa, C; Blake, JE; O'Hara, TM; Monnier, V. 2001. Collagen aging in the bowhead whale (*Balaena mysticetus*). *American Zoologist* 41 6; 871
23. Woshner, V.M., T.M. O'Hara, G.R. Bratton, R.S. Suydam, and V.R. Beasley. 2001. Concentrations and interactions of selected essential and non-essential elements in bowhead and beluga whales of Arctic Alaska. *Journal of Wildlife Diseases* 37: 693-710. [PMID: 11763733]
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110. Gaxiola-Robles, R., **R. Bentzen**, T. Zenteno-Savín, V. Labrada-Martagón, J. Castellini, A. Celis, T. O'Hara, L. Méndez-Rodríguez. 2014. Marine diet and tobacco affects mercury concentrations in pregnant women (I) from Baja California Sur, Mexico. *Toxicology Reports* 1: 1123–1132 [Companion paper with #111, Oct] PMC5304913
111. **Bentzen, R.**, J. Castellini, Gaxiola-Robles, R., T. Zenteno-Savín, A. Celis, L. Méndez-Rodríguez, T. O'Hara. 2014. Relationship between self-reported fish and shellfish consumption, carbon and nitrogen stable isotope values and total mercury concentrations in pregnant women (II) from Baja California Sur, Mexico. *Toxicology Reports* 1: 1115–1122 [Companion paper with #110, Oct] NIHMSID 844107
112. Montrose, L., C. Noonan; Y. Hee Cho; J. Lee; *J. Harley*; T. O'Hara; C. Cahill; T. Ward. 2015. Evaluating the effect of ambient particulate pollution on DNA methylation in Alaskan sled dogs: Potential applications for a sentinel model of human health. *Science of the Total Environment*. 512-513: 489-494 (Feb) PMC4339619
113. Furin, C.G., von Hippel, F.A., Postlethwait, J., Loren Buck, C., Cresko, W.A., O'Hara, T.M. 2015. Developmental timing of perchlorate exposure alters threespine stickleback dermal bone. *General and Comparative Endocrinology* 219 36–44, (March) PMC4508210
114. Van Hooissen, S., Castellini, J.M., D. Greig, F. Gulland, T.M. O'Hara. 2015. Blood and Hair Mercury Concentrations in the Pacific Harbor Seal (*Phoca vitulina richardii*) Pup: Associations with Neurodevelopmental Outcomes. *EcoHealth* 12 (3): 490-500
115. Furin, C., F. von Hippel, W. Cresko,....., T. O'Hara. 2015. Developmental timing of sodium perchlorate exposure alters angiogenesis, thyroid follicle proliferation and sexual maturation in stickleback. *Gen & Comp Endocrin* 219 24–35. PMC 4508251
116. Harley, J., **C. Lieske**, S. Bhojwani, J. Castellini, T. O'Hara. 2015. Mercury & methylmercury distribution in tissues of Alaskan sculpin species. *Polar Biol* 38 (9):1535–43 PMC5283796
117. Peterson, S.H., E.A. McHuron, S.N. Kennedy, J.T. Ackerman, L.D. Rea, J.M. Castellini, T.M. O'Hara, D.P. Costa. 2016. Evaluating hair as a predictor of blood mercury: the influence of ontogenetic phase and life history in pinnipeds. Special Issue: New Developments and Perspectives in Marine Mammal Toxicology (available July, 2015) *Archives of Environmental Toxicology and Contamination*. 70(1), 28-45 PMID: 26149950

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118. *Correa, L., J. Castellini, L. Quakenbush, T. O'Hara.* 2015. Mercury and selenium concentrations in heart, kidney, skeletal muscle and liver of ice seals: Focus on Alaska bearded seals. *Environmental Toxicology and Chemistry*, 34 (10): 2403–2408 (May)
119. *McGrew, A.K., T.M. O'Hara, C.A. Stricker, J.M. Castellini, K.B. Beckmen, M.D. Salman, L.R. Ballweber.* 2015 (Aug). Ecotoxicoparasitology: Understanding mercury concentrations in gut contents, intestinal helminths and host tissues of Alaskan gray wolves (*Canis lupus*). *Science of the Total Environment* 536: 866–871. PMID: PMC4807146
120. *Moses, S, J Harley, C Lieske, D Muir, A Whiting, T O'Hara.* 2015. Variation in bioaccumulation of persistent organic pollutants based on octanol-air partitioning: Influence of respiratory elimination. *Mar Poll Bull* 100 (1): 122-127. PMID: PMC4679492
121. *Gribble, M., R. Karimi, B. Feingold, J. Nyland, T. O'Hara, M. Gladyshev, C. Chen.* 2016. Mercury, Selenium and Fish Oils in Marine Food Webs and Implications for Public Health. *J. of the Mar Bioll Association of the United Kingdom*: 96(1): 43-59. Feb. PMID: PMC4720108
122. *Harley, J., T. Bammler, F. Farin, R. Beyer, T. Kavanagh, K. Dunlap, K. Knott, G. Ylitalo, T. O'Hara.* 2016. Using domestic and free ranging Arctic canid models for environmental molecular toxicology research. *Environmental Science & Technology*. 50(4):1990-9 (January) PMID: 26730740; PMC5290708
123. *Hernandez-Almaraz, P., L. Mendez-Rodriguez, T. Zenteno-Savin, T.M. O'Hara, J.R. Harley, E. Serviere-Zaragoza.* 2016. Concentrations of trace elements in sea urchins and macroalgae commonly present in Sargassum beds: implications for trophic transfer. *Ecological Research* (DOI 10.1007/s11284-016-1390-7). On line Sept 2
124. **Bentzen, R., J. Castellini, B. Gerlach, C. Dykstra, T. O'Hara.** 2016. Mercury Concentrations in Alaska Pacific Halibut Muscle Relative to Location and Stable Isotopes of C and N. *Marine Pollution Bulletin* 113 (1-2): 110-116 (Dec) PMID: 27612930
125. *Cyr, A., C.J. Sergeant, J.A. Lopez, T.M. O'Hara.* 2017. Assessing the influence of migration barriers and feeding ecology on total mercury concentrations in Dolly Varden (*Salvelinus malma*) from a glaciated and non-glaciated stream. *Science of the Total Environment*. Feb. PMID: 27979620
126. *Hayden, M., R. Bhawal, C. Harmon, J. Escobedo, T. O'Hara, D. Klein, S. San-Francisco, M. Zabet-Moghaddam, C.A.J. Godard-Codding.* 2017. Detection of Whale Steroid Hormones in Blubber using Liquid Chromatography Nanospray Ionization Mass Spectrometry. *Rapid Comm in Mass Spectrometry*. 31, 1088–1094 (June)
127. *O'Hara, T., K. Hueffer, M. Murphy, J. M. Castellini, Y. Li, L. Rea, J. Berner.* 2017. Developing a Sentinel-based Baja California Sur Rural Mexico Monitoring Program: Lessons learned from Alaska. *Recursos Naturales y Sociedad* 3 (2): 12 – 31 (Dec)
128. *Murillo-Cisneros, D.A., F. Galván-Magaña, J.M. Castellini, A. Sánchez-González, A.J. Marmolejo-Rodríguez, F. Elorriaga-Verplancken, T.M. O'Hara.* 2018. Mercury concentrations in three ray species from the Pacific coast of Baja California Sur, Mexico: Variations by tissue type, sex and length. *Marine Pollution Bulletin* 126: 77–85 (Jan)
129. *Lian, M., S. Johnson, T. Gelatt, T.M. O'Hara, K.B. Beckmen, L.D. Rea.* 2018. Field anesthesia of juvenile Steller sea lions (*Eumetopias jubatus*) using inhalation anesthesia. *Marine Mammal Science*. 34 (1): 125–135 (Jan)
130. *O'Hara, T., M. Templeton, J.M. Castellini, R. Wells, K. Beckmen, J. Berner.* 2018. Use of Blood Soaked Cellulose Filter Paper for Measuring C and N Stable Isotopes. *J. Wildlife Diseases* 54(2). April: 375-379. Online Jan. 25, 2018.
131. *McGrew, A.K., T.M. O'Hara, C.A. Stricker, J.M. Castellini, M.D. Salman, W. VanBonn, F.M.D. Gulland, A. Whiting, L.R. Ballweber.* 2018. Ecotoxicoparasitology of the gastrointestinal tracts of pinnipeds: effect of parasites on bioavailability of total mercury (THg). *Science of the Total Environment*. 631-632: 233-238. [March]

PUBLICATIONS (past to most recent) con'd:

132. Doll, A.C., Taras, B.D., Stricker, C.A., L.D. Rea, T.M. O'Hara, A.P. Cyr, S. McDermott, T.M. Loomis, B.S. Fadely, M.B. Wunder. 2018. Temporal records of diet diversity dynamics in individual adult female Steller sea lion vibrissae. *Oecologia* 188: 263-275 (June)
133. Kennedy, SN, B Wilhite, JM Castellini, LD Rea, T Kuhn, T O'Hara. 2018. Validation of a protein A ELISA for measuring immunoglobulin G in a non-traditional wildlife species, the Steller sea lion. *Journal of Immunological Methods*. 462: 42-47 (November)
134. Kennedy, S., J. Castellini, A. Hayden, B. Fadely, V. Burkanov, T. O'Hara, L. Rea. 2019. Regional and age-related variation in haptoglobin concentrations in Steller sea lions (*Eumetopias jubatus*) from Alaska and Russia: physiological and toxicological associations. *J. Wildlife Diseases* 55(1): 91-104.
135. Cyr, A.; A. Lopez; M. Wooller; L. Rea; J.M. Castellini; T. Loomis; S. McDermott; T. O'Hara. 2019. Mercury concentrations in marine species from the Aleutian Islands: spatial and biological determinants. *Science of the Total Environment* 664: 761–770 (Feb)
136. Murillo-Cisneros, D.A., T.M. O'Hara, F.R. Elorriaga-Verplancken, A. Sánchez-González, E. Marín-Enríquez, A. J Marmolejo-Rodríguez, F. Galván-Magaña. 2019. Trophic structure and biomagnification of total mercury in ray species within a benthic food web. *Archives of Environmental Contamination and Toxicology*:1-9 (on line April 26)
137. McHuron, E., JM Castellini, C Rios, J Berner, F Gulland, D Greig, T O'Hara. 2019. Hair, whole blood, and blood-soaked cellulose paper-based risk assessment of mercury concentrations in stranded pinnipeds from the California coast. *J. of Wildlife Diseases* (4) DOI: 10.7589/2018-11-276
138. Pancaldi F., Páez-Osuna F., Soto-Jiménez M.F., González-Armas R., O'Hara T., Marmolejo-Rodríguez A.J, Vázquez A., Galván-Magaña F. 2019. Trace elements in tissues of whale sharks (*Rhincodon typus*) stranded in the Gulf of California, Mexico. *Bulletin of Env Contamination and Toxicology*. <https://doi.org/10.1007/s00128-019-02640-y>
139. Harley, J., RG Robles, TZ Savín, L Rodríguez, A Alvarez, A Thiede, TM O'Hara. 2019. Using carbon and nitrogen stable isotope modeling to assess mercury exposure for pregnant women in Baja California Sur, Mexico. *Chemosphere* 234: 702-714
140. Harley, J., Gill, V., S. Lee, K. Kannan, V Santana, Burek, K., O'Hara, T. 2019. Concentrations of organohalogenes (PCBs, DDTs, PBDEs) in hunted and stranded Northern sea otters (*Enhydra lutris kenyoni*) in Alaska from 1992-2010: Links to pathology and feeding ecology. *Science of the Total Environment*. 691 (November): 789-798
141. Pancaldi F., Galván-Magaña F., González-Armas R., Soto-Jimenez M., Whitehead D., O'Hara T., Marmolejo-Rodríguez A., Vázquez A., Páez-Osuna F. 2019. Mercury and selenium in the filter-feeding whale shark *Rhincodon typus*, from two areas of the Gulf of California. *Marine Pollution Bulletin* 146: 955–961
142. Cyr, A., J.A. López, M.J. Wooller, A. Whiting, R. Gerlach, T. O'Hara. 2019. Ecological drivers of mercury concentrations in fish species in subsistence harvests from Kotzebue Sound, Alaska. *Environmental Research* 177 108622
143. Murillo-Cisneros, D., T O'Hara, P Curiel-Godoy, F Elorriaga-Verplancken, A Sánchez-González, A Marmolejo-Rodríguez, F Galván-Magaña. Trophic assessment and isotopic niche of three sympatric ray species of western Baja California Sur, Mexico. Accepted. *Environmental Biology of Fishes* <https://doi.org/10.1007/s10641-019-00923-1>

PUBLICATIONS (Accepted/Submitted/In Preparation)

144. Rea, L.D., Castellini JM, Correa L, Fadely BS, Burkanov, VN, Rehberg, MJ, O'Hara T. In Prep. Regional variations and drivers of mercury and selenium concentrations in Stellers.

PUBLICATIONS (Accepted/Submitted/In Preparation) con'd

145. Castellini, J M., LD Rea, L Correa, BS Fadely, M Rehberg, TM O'Hara. In Prep. Mercury and selenium in blood compartments of Steller sea lion (*Eumetopias jubatus*) pups in Alaska
146. Lian, M., J. M. Castellini, D. Miller, C.A.J. Godard-Codding, B. Griff, T. M. O'Hara. Submitted. Optimizing $\delta^{13}\text{C}$, $\delta^{15}\text{N}$ and [THg] measures in epidermal biopsies of grey whales. Submitted Frontiers (special edition)
147. Gerrish, HN, A Cyr, JM Castellini, L Rea, R Gerlach, T Loomis, T O'Hara. In Prep. Mercury concentrations in muscle and liver of six Alaskan fish species: Implications for understanding exposure pathways in fish and fish consumers.
148. Murillo-Cisneros, D, T O'Hara, P Curiel-Godoy, F Elorriaga-Verplancken, A Sánchez-González, A Marmolejo-Rodríguez, F Galván-Magaña. Trophic assessment and isotopic niche of three sympatric ray species of western Baja California Sur, Mexico. Accepted. Environmental Biology of Fishes
149. Polo, C.J., S. Newsome, S.L. Kim, M. Soto-Jiménez, T. O'Hara, F. Galván-Magaña. Submitted. Ontogenetic and sex variations in the diet and habitat use of blue shark in the Mexican Pacific determined from stable isotope analysis. Canadian J. of Fish. Auatic Sc.

BOOK CHAPTERS (peer reviewed):

1. T. O'Hara, C. Rice. "Polychlorinated Biphenyls" (Ch 7), In: *Noninfectious Diseases of Wildlife*. 2nd Edition Fairbrother, Locke, Hoffe editors. Iowa State University Press, Ames, 1996: 71-86.
2. T. O'Hara. "Mycotoxins" (Ch 3), In: *Noninfectious Diseases of Wildlife*. 2nd Edition A Fairbrother, L Locke, and Gerald L. Hoffe editors. Iowa State Univ Press, Ames, 1996: 24-30.
3. O'Hara, T., P. Becker. 2003. "Persistent Organic Contaminants in Arctic Marine Mammals" Vos, Bossart, Fournier, O'Shea, eds., Tox. of marine mammals. Taylor & Francis Publishers, London.
4. O'Hara, T.M., V. Woshner and G. Bratton. 2003. "Inorganic Pollutants in Arctic Marine Mammals" J.G. Vos, G. D. Bossart, M. Fournier, and T. J. O'Shea, eds., Toxicology of marine mammals. Taylor & Francis Publishers, London.
5. O'Hara, T.M. and T.J. O'Shea. 2001. "Toxicology" Chapter 22 In: Dierauf and Gulland (eds) 2nd Edition of Marine Mammal Medicine: Health, Disease and Rehabilitation. CRC Press Boca Raton, Florida (USA) Pp. 471-520.
6. Aguirre, A., T.M. O'Hara, T. Spraker, and D. Jessup. 2001. "Programs monitoring the health and conservation of marine mammals and their ecosystems." In Aguirre, A. A., R. S. Ostfeld, C. A. House, G. M. Tabor and M. C. Pearl (eds.). Conservation Medicine: Ecological Health in Practice. Oxford University Press, New York. (Chapter 7): 79-94.
7. George, J., S. Braund, H. Brower, C. Nicolson, T.M. O'Hara. 2003. Some Observations on the Influence of Environmental Conditions on the Success of Hunting Bowhead Whales Off Barrow, Alaska in *Indigenous Ways to the Present* Allen McCartney: 255-77
8. O'Hara, T., T. O'Shea. 2005. Assessing impacts of environmental contaminants. In: Reynolds, J. III, W. Perrin, R. Reeves, S. Montgomery, and T.J. Ragen, (eds.). Marine mammal research: conservation beyond crisis. Baltimore, MD: Johns Hopkins Univ Press. p. 63-83.
9. Smith et al. 2010. "Global Perspectives on Wildlife Toxicology: Emerging Issues" in Kendall, et al, eds. Wildlife Toxicology: Emerging Contaminant and Biodiversity Issues, Taylor and Francis Group. Boca Rotan, Florida USA: 197-256
10. O'Hara, T., T. Kunito, V. Woshner, S. Tanabe. 2011. Select Elements and Potential Adverse Effects in Cetaceans and Pinnipeds (Ch 10). Beyer and Meador (eds.). *Env Cont in Biota: Interpreting Tissue Conc. 2nd Ed.*, CRC Press/Taylor & Francis Group, Boca Rotan, Florida USA p. ISBN: 9781420084054
11. Dietz, R., N. Basu, B. Braune, T. O'Hara, T. Scheuhammer, C. Sonne. Ch. 6. What are the Toxicological Effects of Mercury in Arctic Biota? In: AMAP Assessment 2011: Mercury in the

Arctic. Eds: P. Outridge, R. Dietz, S. Wilson. Arctic Monitoring and Assessment Programme (AMAP), Oslo, Norway (2011). pp 113-137.

12. Harley, J. and O'Hara, T. 2015 (Dec). Chapter 15 "Toxicants in: Marine Mammal Physiology: Requisites for Ocean Living. CRC Press; Eds. Michael A. Castellini, Jo-Ann Mellish, 348 Pages. ISBN 9781482242676 - CAT# K23399. CRC Marine Biology Series

BOOK CHAPTERS (peer reviewed) con'd:

13. O'Hara, T.M. and L. Hart. 2018 (March). "Environmental Toxicology" Chapter 15 *In: Gulland, Dierauf and Whitman (eds). 3rd Edition of Marine Mammal Medicine: Health, Disease and Rehabilitation. CRC Press Boca Raton, Florida (USA) ISBN-13: 978-1498796873; Pp. 297-318.*
14. McHuron, E., S. Peterson, T. O'Hara. 2018 (Aug). "Feeding ecology tools to assess contaminant exposure in coastal mammals", Ch. 2, "Marine Mammal Ecotoxicology: impacts of multiple stressors on population health", Elsevier/Academic Press Book. Pages 39-74. ISBN: 9780128121443
15. O'Hara, T. & J. Harley. Marine vertebrates as sentinels of marine ecosystems health, links to human wellbeing. 2018 (Aug). In: Jaime, M. & P. Hernández-Almaraz (Eds) *Bioacumulación y Transferencia de Metales y Contaminantes Emergentes a Través de las Cadenas Tróficas Marinas. Samsara Editorial. Mexico City, Mexico. Pp.149-161. ISBN 978-970-94305-7-8.*

REPORTS:

1. D. Efurud, G. Miller, D. Rokop, F. Roensch, M. Attrep, J. Thompson, W. Inkert, H. Poths, J. Banar, J. Musgrave, E. Rios, J. Headstream, D. Dry, M. Hameedi, et al. 1996. Evaluation of the Anthropogenic Radionuclide Concentrations in Sediments and Fauna Collected in the Beaufort Sea and Northern Alaska, Los Alamos Nat. Lab., LAMS-13115-MS UC-721, pp. 231
2. Willetto, C.E., T.M. O'Hara, T. Rowles (editors). Bowhead Whale Health and Physiology Workshop Report" October 1-4, 2001, Barrow, Alaska. Pp. 239
3. O'Hara, T. and O'Shea, T. 2003. Contaminants in Marine Mammals for the "Consultation on Future Directions in Marine Mammal Research" August 4-7, 2003, pp. 53.
4. (I) AMAP, 2011. AMAP Assessment 2011 (O'Hara Co-Author): Mercury in the Arctic. Arctic Monitoring and Assessment Programme (AMAP), Oslo, Norway. xiv+193p. [peer reviewed]
5. Cyr, A., C. J. Sergeant, J. A. Lopez, and T. M. O'Hara. 2014. Developing a freshwater contaminants monitoring protocol for the Southeast Alaska Network: Summary of 2013 fish and habitat sampling in Klondike Gold Rush and Sitka National Historical Parks. Natural Resource Data Series NPS/SEAN/NRDS—2014/679. National Park Service, Fort Collins, Colorado.

INVITED (O'Hara presenter) PRESENTATIONS (past to most recent):

Between 1988 through 2010 I presented 42 invited presentations. Invited presentations from

2011 – Present, listed below.

1. O'Hara, T. Healthy Alaska: What's in Our Fish? Science for Alaska (Fairbanks, Alaska), January 25, 2011 [oral presentation]
2. O'Hara, T. Healthy Alaska: What's in Our Fish? Science for Alaska (Anchorage, Alaska), March 23, 2011 [oral presentation]
3. O'Hara, T. & S. Moses. 2011. Healthy Alaska: What's in Our Fish? Western Alaskan Interdisciplinary Science Conf and Forum Honoring our traditions, sustaining our future. Bethel, Alaska, March 22–25, 2011
4. "Mercury in Alaska: The polar bear sentinel species" Moss Landing Marine Laboratory, California State University, March 2012
5. "Hg in Alaska: The polar bear sentinel species", Virg. Tech, Blacksburg, VA, May 2012
6. "Mercury in Alaska: The polar bear sentinel species", University of Illinois – Urbana/Champagne, IL, August 23, 2012

7. "One Health in a Veterinary College: Polar bear & pinniped sentinels of pollutants." Univ. of Minnesota College of Veterinary Medicine, April 2013
8. "Aquatic animal health concerns in the Arctic" (seminar) and "Climate Change Panel" participant at the International Association of Aquatic Animal Medicine (IAAAM) Meeting in San Francisco, CA, April 20-27, 2013

INVITED (O'Hara presenter) PRESENTATIONS (con'd):

9. *Mercury in marine mammals and human health: Alaska perspective*. Int Conference on Mercury as a Global Pollutant (ICMGP), Edinburgh, Scotland (August, 2013)
10. "One Health" Perspectives on Environmental Contaminants in Subsistence Foods of Alaska 8th Circumpolar Agricultural Conference & UArctic Inaugural Food Summit Alyeska, Sept 29-Oct3, 2013 (Invited Keynote)
11. Rea, Castellini, Correa, Fadely, Burkanov, O'Hara. 2013. Some maternal Steller sea lion diets elevate fetal Hg concentrations in the western Aleutian Island area of population decline. Invited presentation at PICES 2013: Changing forecasts, uncertainty and consequences of ecosystem change. Nanaimo, BC, Canada. Oct 11-20, 2013.
12. O'Hara, *One Health Perspective on Hg in Fish Consumers: from Barrow to Baja*, Env. Health Seminar, School of Public Health, Univ of Washington, Jan. 8, 2015
13. O'Hara, Assessing Pathways of Mercury Exposure in Pregnant Women of Baja California Sur (Mexico): Diet and Ecology. Alaska Native Medical Center, Grand Rounds, Anchorage, Alaska. March 10, 2016.
14. O'Hara, Monitoring Environmental Agents of Disease: Linking Local Residents to Disease Specialists, One Health Conference, Colorado State University Todos Santos Center, Todos Santos, Baja California Sur, Mexico. Nov., 15, 2016.
15. O'Hara, One Health Perspective on Mercury in Fish Consumers: Barrow to Baja. Ciencias Agropecuarias, Universidad Autonoma de Baja California Sur. Nov. 18, 2016
16. O'Hara, NSAIDs in Cattle Leads to Increased Rabies in People: Key is vulture conservation in southern Asia. UAF-BLaST Seminar, Nov. 28, 2016 (Fairbanks, Alaska)
17. O'Hara, *Environmental Agents of Disease*, Centro Interdisciplinario de Ciencias Marinas (CICIMAR), March 31, 2017 (seminar)
18. O'Hara, One Health Perspective on Ecology of Mercury: *California Dreaming*. UAF-BLaST One Health Seminar, April 17, 2017 (Fairbanks, Alaska)
19. O'Hara, One Health Perspective on Mercury in Fish Consumers: Alaska to Mexico. XXIII North Forum of Health Research, New Vallarta, Nayarit, Mexico. May 24-26, 2017. "Health Research Strengthening the Model of Comprehensive Care in Chronic diseases"
20. O'Hara & Rea, L., "Marine Mammals and Contaminants", Building an Integrated One Health Initiative, Dec.1, 2017, University of Alaska Fairbanks, Fairbanks, Alaska
21. O'Hara, "One Health Research and Alaska Native Communities: Monitoring foodwebs", Feb 23, 2018, Salish Kootenai College, Pablo, Montana
22. O'Hara, "One Health: Wildlife-Livestock-Human Agents of Disease", March 7, 2018, Washington State University, Pullman, Washington
23. O'Hara, "Elk Hoof Disease: Integrating Academic and Agency Investigations", March 8, 2018, Olympia, Washington
24. O'Hara, "One Health Research and Alaska Native Communities: Monitoring food webs", Charles Sturt University, Wagga Wagga, NSW, Australia, June 14, 2018
25. O'Hara and Rea, "Mercury 101 Workshop" (all day) University of Alaska Southeast, Juneau, Alaska July 10, 2018
26. O'Hara, "One Health Research & Alaska Native Communities: Monitoring food webs" (evening) Juneau, Alaska July 10, 2018
27. O'Hara, Ontario Veterinary College, University of Guelph, "Transforming Vision to Reality: Role of OVC Associate Dean Students & Academic", July 24, 2018

O'Hara CV

28. O'Hara, "Assessing Environmental Agents of Diseases: Example of Mercury & Food Web", College of Veterinary Medicine, Long Island University CW Post, Jan. 11, 2019
29. O'Hara, "Opportunities & Obstacles Related to Developing and Sustaining an Exceptional Research Program at a CVM", Univ. of Georgia CVM, February 12, 2019.
30. O'Hara, "Review of My Academic Roles & Vision for Department of VIBS", College of Veterinary Medicine & Biomedical Sciences Texas A&M University. April 23, 2019

INVITED (O'Hara presenter) PRESENTATIONS (con'd):

31. O'Hara, "Mercury & Fish Consumers: One Health Perspectives", University of California Davis, April 29, 2019
32. O'Hara, "Environmental Agents of Disease: Arctic One Health Perspectives", Univ. of Calgary, June 10, 2019
33. O'Hara, "Mercury 101 Workshop" (all day) Sitka Tribe of Alaska, Sitka, Alaska July 9, 2019.
34. Castellini and O'Hara, Sitka Tribe of Alaska, July 10 and 11, 2019. Diet and Mercury in Sitka Residents, report of preliminary findings.

PRESENTATIONS AND ABSTRACTS (past to most recent): Presentations and/or abstracts for meetings and conferences only listed from 2011 to present. From 1987 through 2010 a list is provided per year as a count only and many of these were at international meetings/venues: 1987, 1; 1988, 2; 1989, 3; 1990, 1; 1991, 1; 1992, 1; 1994, 1; 1995, 1; 1996, 5; 1997, 8, 1998, 7; 1999, 18; 2000, 14; 2001, 10; 2002, 8; 2003, 6; 2004, 11; 2005, 18; 2006, 17; 2007, 5; 2008, 10; 2009, 16; and 2010, 14 [total = 170 for 1987-2010].

For list below Key: (I) = international, & text highlighted as undergraduate, *graduate*, **Post Doc**. **2011-present listed (170 prior to 2011)**

2011

1. *Knott, K.K.* & T.M. O'Hara. Alaska Marine Science Symposium, Anchorage, AK, January 17-21, 2011.
2. *Holcomb, D.K.* and T.M. O'Hara. Alaska Marine Science Symposium, Anchorage, Alaska, January 17-21, 2011.
3. O'Hara, T.M. Science for Alaska Seminar, Jan 25 2011, Fairbanks, Alaska
4. O'Hara, T.M. Science for Alaska Seminar, Mar 23 2011, Anchorage, Alaska
5. O'Hara, T.M. and *Moses, S.* Western Alaska Interdisciplinary Science Conference, Bethel, Alaska, Mar 24, 2011
6. *Bhojwani, S.*; **Lieske, C.**, O'Hara, T. Society of Toxicologists 50th Annual meeting, Washington, DC. March 2011.
7. **Lieske, C.**; O'Hara, T. Society of Toxicologists 50th Annual meeting, Washington, DC. March 2011.
8. *Van Hemert, C.*, C. M. Handel, J. E. Blake, T. M. O'Hara. 2011. *OneHealth International Congress*. Feb. 14-16, 2011; Melbourne, Australia.
9. *Van Hemert, C.*, C. M. Handel, T. M. O'Hara, and J. E. Blake. 2011. Wildlife Disease Association 60th annual meeting, Quebec City, Quebec. August 14-19, 2011.
10. *Willacker, J.*, F. von Hippel, K. Ackerly, T. O'Hara. Habitat-specific foraging and sex drive Hg concentrations in benthic and limnetic morphotypes of threespine stickleback in Benka Lake, Alaska. 10th Int Conf on Mercury as a Global Pollutant. August 2011, Halifax, Nova Scotia
11. *Kenney, L.A.*, F.A. von Hippel, *J.J. Willacker*, and T.M. O'Hara. Mercury concentrations of a freshwater forage fish at Adak Island, Aleutian Archipelago, Alaska. 10th International Conference on Mercury as a Global Pollutant. August 2011, Halifax, Nova Scotia
12. *Repetto, A.C.*, K.G. McCracken, T. O'Hara. 2011. AAAS Conference, Dillingham, Alaska Sept 21-24, 2011. Poster.
13. *Rosa, C.*; *Zeh, J.*; *George, C.*; *Bada, J.*; *Botta, O.*; *Zauscher, M.*; O'Hara, T. 19th Biennial Conference on the Biology of Marine Mammals, Tampa, Florida Nov 27-Dec 2, 2011
14. *E.A. McHuron*, J.T. Harvey¹, C.A. Stricker, and T.M. O'Hara. 19th Biennial Conference on the Biology of Marine Mammals, Tampa, Florida Nov 27-Dec 2, 2011

2012

15. O'Hara, T.; *C. Willetto*. 2012 Effects of Oil on Wildlife Conf New Orleans, LA. Jan 24-28, 2012
16. *L. Correa*, L.D. Rea, **C. Lieske**, J.M. Castellini, B. Fadely, T. O'Hara. 2012. Alaska Marine Science Symposium Jan 13-15, 2012 Anchorage, Alaska.
17. *E. van Wijngaarden*, D Harrington, R Kobrosly, S Thurston, T O'Hara, 2012. International Soc. for Environmental Epidemiology 24th Annual Conference, Aug 26-30, Columbia, SC
18. Rea L., J.M. Castellini, *L. Correa*, B.S. Fadely, T.M. O'Hara. 2012. 8th International Conf on Applications of Stable Isotope Tech to Ecological Studies. Brest, France. 20-24 Aug, 2012.

PRESENTATIONS AND ABSTRACTS (past to most recent) con'd:

19. "Mercury in Alaska: The polar bear sentinel species" Colorado State University, College of Veterinary Medicine and Biomedical Sciences, Research Seminar Presentation, Feb 2012
20. "One Health in a 'New Vet School' & Stories about wildlife field work in Alaska? {some may be true}", Colorado State University, College of Veterinary Medicine and Biomedical Sciences, One Health & Wildlife Disease Clubs Seminar, February 2012
21. **Lieske, C.**; M. Castellini, T. O'Hara. Nutrients and contaminants in Alaskan subsistence foods. CANHR Outreach and Dissemination Conference, Bethel, May 2012
22. **Bly, M.**, T. O'Hara, A. Lopez, L. Hoferkamp. Coastal Temperate Rainforests: Integrating Science, Resource Management, and Communities. Juneau, Alaska, April 18-19, 2012
23. O'Hara, TM. Sea Wolf - *Orcinus orca* or *Canis lupus*: What does chemistry tell us? Murie Science Learning Center, Denali National Park, July 2, 2012

PRESENTATIONS AND ABSTRACTS (past to most recent) con'd:

24. *Willacker, J.J.*, F.A. von Hippel, K.L. Ackerly, C.A. Eagles-Smith, and T.M. O'Hara. Stickleback as a model for habitat-specific flow of mercury in aquatic food webs. 7th International Conference on Stickleback Evolution and Behavior July 2012, Bainbridge Island, WA
25. O'Hara, T.M., M. Castellini, **C. Lieske**, S. Moses. 15th International Congress on Circumpolar Health, Aug 5-10, 2012, Fairbanks, AK, USA
26. Rea, L., M. Castellini, L. Correa, B. Fadely, T. O'Hara. Comparative Nutrition Society Symposium, California. July 17-20, 2012
27. *Willacker, J.J.*, F.A. von Hippel, K.L. Ackerly, and T.M. O'Hara. Habitat-specific foraging and sex determine mercury concentrations in benthic and limnetic threespine stickleback in Benka Lake, Alaska. Society of Environmental Toxicology and Chemistry North America Annual Meeting, November 2012, Long Beach, CA [Abstract accepted]
28. Healthy Alaska: What's in our Native Foods? Oral Presentation to Cancer Support Group, October 22, 2012, Fairbanks Native Association, Hannah Solomon Building
29. Rea, LD, Castellini, JM, *Correa, L*, Fadely, BS, O'Hara, TM. Some maternal Steller sea lion diets elevate fetal mercury concentrations in the western Aleutian Island area of decline. January 2013 Alaska Marine Science Symposium, Anchorage, Alaska.
30. O'Hara, TM. "[Mercury] Rising!?! Arctic & West Coast of North America Pinnipeds", CIBNOR (Centro de Investigaciones Biológicas del Noroeste), La Paz, Mexico, March 12, 2013
31. O'Hara, TM. "One Health in a Vet School: Sentinels of Pollutants in Marine Systems as Examples", Ross University School of Veterinary Medicine, March 22, 2013
32. O'Hara, TM. "Feeding Ecology & Possible Adverse Effects of Hg in Pinnipeds: Steller sea lion and harbor seal examples", Institute of Marine Sciences, Univ of Alaska Fairbanks, March 27, 2013
33. Hansen, C. M., R. Rember, T.M O'Hara, K. Hueffer. 2013. Development and implementation of broad-based PCR surveillance method for bacteria in Alaska wildlife tissues. Wildlife Disease Association. 62nd International Conference July 27-Aug 2 Knoxville, TN, USA
34. *International Conference on Mercury as a Global Pollutant (ICMGP)* held in Edinburgh, Scotland (28th July – 2nd August, 2013):
 - Threespine stickleback as a model for habitat-specific flow of mercury in aquatic food webs
 - The toxicological effects of mercury in Arctic biota: highlights from the AMAP Mercury in the Arctic Assessment
 - Mercury accumulation in the food webs and sportfish of Benka Lake, AK

PRESENTATIONS AND ABSTRACTS (past to most recent) con'd:

35. *Animal Health Concerns in a Changing Arctic: Marine/Aquatic Vertebrates Focus*, 6th Workshop on Regional Surveillance and Research for Wildlife-borne Diseases (Aug 6-8, 2013 in Fort Collins; CO)
36. Bickham, JW, J Doyle, A DeWoody, R Pezdek, K Wooten, N Kellar, M Trego, J Dupont, T O'Hara, C Godard-Codding. Genetics and preliminary hormone analyses in Western Gray whale biopsy samples collected off Sakhalin Island in 2011. Paper SC/65a/BRG23, IWC Scientific Committee, June 2013. Available from The International Whaling Commission, The Red House, 135 Station Road, Impington, Cambridge, Cambridgeshire CB24 9NP, UK.
37. Rea, L.D., J.M. Castellini, L. Correa, B.S. Fadely, V.N. Burkanov and T.M. O'Hara. 2013. Some maternal Steller sea lion diets elevate fetal mercury concentrations in the western Aleutian Island area of population decline. Student chapter of the Wildlife Disease Association, College of Veterinary Medicine and Biomedical Sciences, CSU. October 4, 2013.
38. *Barrera-García, A.*, T.M. O'Hara, F. Galván-Magaña, L.C. Méndez-Rodríguez, T. Zenteno-Savín. Oxidative Stress and Trace Elements in Blue Sharks off the Coast of Baja California Sur. Society for Free Radical Biology and Medicine, Nov. 4-7, 2013 San Antonio, Texas.
39. Rea, L.D., J.M. Castellini, L. Correa, B.S. Fadely, V.N. Burkanov and T.M. O'Hara. 2013. Some maternal Steller sea lion diets elevate fetal mercury concentrations in the western Aleutian Island area of population decline. Poster presentation at the 20th Biennial Conference on the Biology of Marine Mammals, Dunedin, New Zealand. Dec 7-13, 2013.
40. C. Godard-Codding, J. Doyle, J. DeWoody, R. Pezdek, K. Wooten, N. Kellar, M. Trego, J. Dupont, T. O'Hara, & J. Bickham. Genetics and Hormone Analyses in Western Gray Whale Biopsy Samples Collected off Sakhalin Island. Poster. 20th Biennial Conference on the Biology of Marine Mammals, Dunedin, New Zealand. December 7-13, 2013.
41. Johnson, G., L. Rea, J. Castellini, T. Loomis, T. O'Hara. 2014. Relationship Between Feeding Trophic Level On Total Mercury Concentrations In 5 Steller Sea Lion Prey Species. Poster. January 2014 Alaska Marine Science Symposium, Anchorage, Alaska
42. Rea, L., M. Castellini, B. Fadely, J. Castellini, T. O'Hara. 2014. Regional Differences In Mercury Concentrations In Alaskan Steller Sea Lions May Have Been Persistent Over The Past 15 Years. Poster. January 2014 Alaska Marine Science Symposium, Anch, Alaska
43. Huntington, K. B., T.M. O'Hara, S. Raverty, F. Gulland, H. Huntington. Effects of Climate Change on Arctic Marine Mammal Health, American Association for the Advancement of Science (AAAS) Conference, Feb. 14, 2014, Chicago, Illinois.
44. Berner, J. and T. O'Hara. Environmental Health Research: Biomonitoring from an animal-human health perspective. 4th Annual Native Health Research Conference, March 27-28, Anchorage, Alaska
45. Carroll, G., Parett, L., O'Hara, T. Population Fluctuations and Mortality Factors for the Northern-most Moose Population. 48th North American Moose Conference and Workshop Girdwood, Alaska April 28 – May 1 2014
46. J Cerda, L Ballweber, A *Malmlov*, T O'Hara. New Data on the Prevalence and Geographic Distribution of Echinococcus in Wolves (*Canis lupus*) and Arctic Foxes (*Vulpes lagopus*) in Alaska. 63rd Annual International Conference of the Wildlife Disease Association, Albuquerque, New Mexico USA (July, 2014)
47. *Montrose, L.*, C. Noonan, Y. H. Cho, *J. Harley*, T. O'Hara, C. Cahill, T. Ward. Particulate Matter Exposure and Global Methylation Analysis in Alaskan Sled Dogs: Evaluating Dogs as Sentinels for Human Health. International Society of Environmental Epidemiology, Aug 24-28, 2014, Seattle, WA
48. O'Hara, T. Perspectives on *One Health* from a Wildlife Disease Laboratory in Alaska. Alaska Native Tribal Health Consortium (ANTHC), July 25, 2014.

PRESENTATIONS AND ABSTRACTS (past to most recent) con'd:

49. **R Bentzen**, M Castellini, B Gerlach, C Dykstra, T O'Hara (presenter). 2014. Mercury Concentrations and Stable Isotopes of C and N in Alaska Pacific Halibut Muscle. National Forum on Contaminants in Fish, Alexandria, VA Sept 22-25, 2014.
50. *J Cerda*, L Ballweber, A Malmlov, T O'Hara. New Data on the Prevalence and Geographic Distribution of Echinococcus in Wolves (*Canis lupus*) and Arctic Foxes (*Vulpes lagopus*) in Alaska. European Scientific Counsel Companion Animal Parasites. Vilnius, Lithuania from 8-9th Oct 2014
51. Hayden, M, R Pezdek, K Wooten, M Trego, N Kellar, J Doyle, J DeWoody, J Dupont, T O'Hara, J Bickham, C Godard-Codding. Multi-biomarker analyses in endangered Western gray whale biopsy samples collected off Sakhalin Island. Society of Environmental Toxicology and Chemistry North America 35th Annual Meeting, Vancouver, British Columbia Canada; November 9-13, 2014.
52. *Willacker, J. C.* Eagles-Smith, F von Hippel, T O'Hara. Temporal mercury dynamics in threespine stickleback: differences between sexes and foraging habitats. Society of Environmental Toxicology and Chemistry North America 35th Annual Meeting, Vancouver, British Columbia Canada; November 9-13, 2014.
53. O'Hara, T. WhaleFest, Sitka, Alaska Nov. 2014. 1) KCAW radio interview, 2) Hands on necropsy demonstrations Mt. Edgecumbe high school students (49 students over 3 sessions), 3) UAS Prevet lecture (new 2+2 and DVM opportunities), 4) expert scientist on whale watching cruise.
54. Grimes, A, S. Hughes, J Castellini, C Rios, TM, O'Hara, Comparisons of whole blood and fur concentrations of total mercury among three pinniped species; validation of cellulose filter paper methodology; Alaska Marine Science Symposium, Anchorage, AK, Jan. 19-23, 2015
55. *Harley, J*, Lorrie Rea, B Fadely, T Gelatt, T Kavanagh, J MacDonald, TM O'Hara. Evaluating RNA-Seq as a tool for assessing health status of Steller sea lions (*Eumatopias jubatus*) in an area of population decline; Alaska Marine Science Symposium, Anchorage, Alaska, Jan. 19-23, 2015.
56. Opp, K., T O'Hara, JM Castellini, AP Cyr, S Mcdermott, TM Loomis, LD Rea. Differences in carbon and nitrogen stable isotope ratios of Atka mackerel, Pacific cod and walleye pollock in the central and western Aleutian Islands; Alaska Marine Science Symposium, Anchorage, Alaska, Jan. 19-23, 2015
57. *Hughes, S.N., S. Peterson, L. McHuron, L. D. Rea, M.J. Castellini, T.M. O'Hara* Evaluation of fur as a predictor of blood mercury in Steller's sea lions (*Eumatopias jubatus*): effects of life history stages and age class; Alaska Marine Science Symposium, Anchorage, Alaska, Jan. 19-23, 2015
58. O'Hara, T. *Chemical Feeding Ecology of Mercury: One Health Perspective: Assessing Mercury Feeding Ecology of Mammalian Cohorts of Concern*. Feb 17, 2015 at Centro Interdisciplinario de Ciencias Marinas (CICIMAR), La Paz, BCS, Mexico.
59. O'Hara, T. *Chemical Feeding Ecology of Mercury: One Health Perspective: Assessing Mercury Feeding Ecology of Mammalian Cohorts of Concern*. Feb 23, 2015 at Centro de Investigaciones Biológicas del Noroeste (CIBNOR), La Paz, BCS, Mexico.
60. Gendron, M, Castellini, JM, O'Hara, T, Klein, D, Wooten, K, Pezdek, RJ, Kellar, N, Trego, M, Urban Ramirez, Lopez Montalvo, C, Bickham, J, Godard-Codding. 2015. Hormone and stable isotope of C and N analyses in Western Gray whale biopsy samples collected off Sakhalin Island in 2011, 2012, and 2013. Paper SC/66a/BRG/10 presented to the IWC Scientific Committee, July 2015. Available from The International Whaling Commission, The Red House, 135 Station Road, Impington, Cambridge, Cambridgeshire CB24 9NP, UK.

PRESENTATIONS AND ABSTRACTS (past to most recent) con'd:

61. *Harley et al.* 2015 (Nov.). Using domestic and free ranging Arctic canid models for environmental molecular toxicology research. Society of Environmental Toxicology and Chemistry, North America 36th Annual Meeting, Salt Lake City, Utah; November 2-7, 2015.
62. Lian, M., T. Kuhn, L. Rea, T. O'Hara. 2015. Determining the impact of THg and Se:Hg molar ratios on the oxidative stress response in the endangered western population of Steller sea lions in Alaska. 2nd International Conference on Oxidative Stress in Aquatic Ecosystems 2015, 11–14 November 2015, La Paz, Mexico
63. Gendron, MJ, D Klein, J Escobedo, S San Francisco, K Wooten, J Urbán Ramírez, CL Montalvo, N Kellar, M Trego, T O'Hara, J Bickham and CAJ Godard-Codding. November 2015. Development of Liquid Chromatography-Mass Spectrometry Techniques to Analyze Reproductive and Stress Steroid Hormones in Gray Whale (*Eschrichtius robustus*) Blubber. 36th Annual North America Society of Environmental Toxicology and Chemistry Meeting, Salt Lake City, UT, USA.
64. O'Hara, T. WhaleFest, Sitka, Alaska Nov. 2015. 1) Hands on necropsy demonstrations Mt. Edgecumbe and Pacific high school students (85 students over 4 sessions), 2) Three One Health workshops covering avian, fish and marine mammal themes (25 undergraduate students).
65. Opp, K.R., T.M. O'Hara, J.M. Castellini, M. Barbieri, C.L. Littnan, L.D. Rea. Total mercury concentration and stable isotopes of carbon and nitrogen in Hawaiian monk seal hair. 21st Biennial Conference on the Biology of Marine Mammals, 13-18 December 2015
66. Greig, DJ, *E. McHuron*, S. Kennedy, T. Brookens, S. Van Hooymissen, T. O'Hara Harbor seal sentinels of mercury contamination and potential effects in San Francisco Bay, California area. 21st Biennial Conf on the Biology of Marine Mammals, 13-18 Dec 2015.
67. *Harley, J.*, J. McDonald, T. Bammler, L. Rea, B. Fadely, T. Gelatt, S. Kennedy, T. Kavanagh, T.M. O'Hara. Integration of hematology and RNA-seq methods with microbial mining techniques using peripheral blood monocytes of Steller sea lion pups (*Eumetopias jubatus*). 21st Biennial Conf on the Biology of Marine Mammals, 13-18 December 2015.
68. *Gendron, M, D.* Klein, J. Escobedo, S. San Francisco, K. Wooten, J. Urbán Ramírez, C. Lopez Montalvo, R. Pezdek, N. Kellar, M. Trego, T. O'Hara, J. Bickham, C.A.J. Godard-Codding. Steroid Hormone Panel Analysis in Gray Whale Skin Biopsies: Comparison of Enzyme linked Immunosorbent Assay (ELISA) and Liquid Chromatography-Mass Spectrometry (LC-MS) Methodologies. 21st Biennial Conf on the Biology of Marine Mammals, 13-18 Dec 2015
69. *Kennedy, S.*, J. Castellini, A.B. Hayden, T.M O'Hara, L.D. Rea. Haptoglobin concentrations in Steller sea lions (*Eumetopias jubatus*): Update, and demographic and environmental drivers. 21st Biennial Conf on the Biol of Marine Mammals, 13-18 Dec 2015
70. Castellini, J., L.D. Rea, L. Correa, B.S. Fadely, M. Rehberg, T.M. O'Hara. Mercury and selenium in blood compartments of Steller sea lion pups in Alaska. 21st Biennial Conference on the Biology of Marine Mammals, 13-18 December 2015.
71. Grimes, A., J. Castellini, M.A. Castellini, L. Zhao, T.M. O'Hara. Whole blood total mercury and C and N stable isotopes in three Antarctic phocid species. 21st Biennial Conference on the Biology of Marine Mammals, 13-18 December 2015
72. Rea LD, Castellini JM, *Correa L*, Fadely BS, Burkanov, VN, Rehberg, MJ, O'Hara TM. Regional variations and drivers of mercury and selenium concentrations in Steller sea lions. 21st Biennial Conference on the Biology of Marine Mammals, 13-18 December 2015.
73. *Cyr, A.*, Rea, L., Castellini, J.M., Loomis, T., O'Hara, T. Chemical Feeding Ecology of Hg in Bering Sea and Aleutian Island Groundfish. Jan. 2016. Alaska Marine Science Symposium, Anchorage, Alaska.

PRESENTATIONS AND ABSTRACTS (past to most recent) con'd:

74. Rea, LD, Castellini JM, *Correa L*, Fadely BS, Burkanov, VN, Rehberg, MJ, O'Hara, TM. Regional variations and drivers of mercury and selenium concentrations in Steller sea lions. Jan. 2016. Alaska Marine Science Symposium, Anchorage, Alaska.
75. O'Hara, T., Assessing Pathways of Contaminants: Diet and Ecology, May 7, 2016, Angoon High School, Angoon, Alaska
76. O'Hara, T., Contaminants Monitoring and Research in Southeast Alaska. Sitka Sound Science Center, June 30, 2016, Sitka, Alaska
77. O'Hara, T. *Be Informed About Mercury and Toxins in the Ocean*, Hoonah Indian Association (HIA) Community Center, July 6, 2016, Hoonah, Alaska
78. Rea, L., J. M. Castellini, M. Rehberg, B. Fadely, A. Cyr, T. Loomis, R. Gerlach, C. Furin, T. O'Hara, Mercury contaminant levels in Steller sea lions and their prey in the Aleutian Islands, 2016 Aleutian Life Forum, Dutch Harbor, Alaska; August 16 – 20, 2016
79. Cyr, A., C. Sergeant, A. Lopez, M. Bower, T. O'Hara. 2016. The influence of feeding ecology and migration barriers on contaminant accumulation in two riverine fish species. Centennial Science and Stewardship Symposium, 19-20 October, Fairbanks, Alaska
80. Avery, J.P., T. Lamken, T. O'Hara, J. London, L.D. Rea. Regional differences in total mercury content of Aleutian harbor seal fur. Alaska Marine Science Symposium 23-27 January 2017, Anchorage, Alaska
81. *Harding, J.*, J.P. Avery, T.M. O'Hara, L.D. Rea. Can Fur Predict the Total Mercury Concentration of Muscle in Steller sea lions? Alaska Marine Science Symposium 23-27 January 2017, Anchorage, Alaska
82. *Harley, J.*, L. Rea, T. Bammler, J. McDonald, T.M O'Hara. Does mercury exposure drive detectable gene expression variation in Steller sea lions (*Eumetopias jubatus*) from the western Aleutian Islands, Alaska. Alaska Marine Science Symposium 23-27 January 2017, Anchorage, Alaska.
83. Castellini, J.M., J.P. Avery, T.M. O'Hara, T. Bouta, L.D. Rea. Tissue distribution of total mercury, monomethylmercury, and selenium in Alaskan Steller sea lions. Alaska Marine Science Symposium 23-27 January 2017, Anchorage, Alaska
84. Mayo, E., A.P. Cyr, J. A. Lopez, A. Whiting, *J. Harley*, J.M. Castellini, T.M. O'Hara. Trophic feeding ecology of mercury in Kotzebue Sound fish, with an emphasis on monomethylmercury. American Fisheries Society. Alaska chapter, March 21-23, 2017
85. Cyr, A.P., C. Sergeant, J. A. Lopez, M. Bower, T.M. O'Hara. The influence of feeding ecology and migration barriers on mercury accumulation Dolly Varden char (*Salvelinus malma*). American Fisheries Society. Alaska chapter, March 21-23, 2017
86. *Willacker, J.*, Eagles-Smith, C., von Hippel, F., O'Hara, T. Both trophic and biogeochemical processes contribute to habitat-specific mercury bioaccumulation. July 16–21, 2017, Providence, Rhode Island, USA. 13th Int. Conference on Mercury as a Global Pollutant
87. O'Hara, T.M., Castellini, J.M., Rea, L., *Templeton, M.*, J.E. Berner. Use of Blood Soaked Filter Paper for Assessing the Chemical Feeding Ecology of Hg. Pacific Northwest Chapter Society of Environmental Toxicology and Chemistry, 26th Annual Meeting. Northern Ecosystems: Contaminants, Science, and Toxicology, April 20-22, 2017, Anchorage, Alaska
88. Rea LD, Castellini JM, *Correa L*, Fadely BS, Burkanov, VN, Rehberg, MJ, O'Hara TM. Regional variations and drivers of mercury and selenium concentrations in Steller sea lions. Pacific Northwest Chapter Society of Environmental Toxicology and Chemistry, 26th Annual Meeting. Northern Ecosystems: Contaminants, Science, and Toxicology, April 20-22, 2017, Anchorage, Alaska

PRESENTATIONS AND ABSTRACTS (past to most recent) con'd:

89. Vang, R.T.; Kennedy, S.N.; Castellini, J.M.; Rea, L.D.; O'Hara, T.M.; Ferrante, A. Change in haptoglobin concentrations in Steller sea lions (*Eumetopias jubatus*) and environmental exposure to mercury: chemical assay interference? Pacific Northwest Chapter Society of Environmental Toxicology and Chemistry, 26th Annual Meeting. Northern Ecosystems: Contaminants, Science, and Toxicology, April 20-22, 2017, Anchorage, Alaska
90. Cyr, A.P., C. Sergeant, J. A. Lopez, M. Bower, T.M. O'Hara. The influence of feeding ecology and migration barriers on mercury accumulation Dolly Varden char (*Salvelinus malma*). Pacific Northwest Chapter Society of Environmental Toxicology and Chemistry, 26th Annual Meeting. Northern Ecosystems: Contaminants, Science, and Toxicology, April 20-22, 2017, Anchorage, Alaska
91. Mayo E., A.P. Cyr, J. A. Lopez, T.M. O'Hara, Trophic feeding ecology of mercury in Kotzebue Sound fish, with an emphasis on monomethylmercury. Pacific Northwest Chapter Society of Environmental Toxicology and Chemistry, 26th Annual Meeting. Northern Ecosystems: Contaminants, Science, and Toxicology, April 20-22, 2017, Anchorage, Alaska
92. Gerrish, H.N., Cyr A.P., Castellini, J.M., López, J.A., O'Hara T.M. Biopsy punches as a cost effective and efficient tool to monitor mercury in fish muscle. Pacific Northwest Chapter Society of Environmental Toxicology and Chemistry, 26th Annual Meeting. Northern Ecosystems: Contaminants, Science, and Toxicology, April 20-22, 2017, Anchorage, Alaska
93. O'Hara, T. *Mercury in Pinnipeds: Focus The Marine Mammal Center Cases*. The Marine Mammal Center. Sausalito, California, April 25, 2017
94. O'Hara, T. Environmental toxin flow in the subsistence food web. One Health Concerns in a Changing Arctic 2017 Workshop, May 12-13, 2017
95. O'Hara, T, Cyr, A., Castellini, M. Wildlife Toxicology Laboratory Press Presentation and Demonstration. 10th biennial Arctic Council Ministerial meeting, May 13, 2017
96. Cyr, A.P., C. Sergeant, J. A. Lopez, M. Bower, T.M. O'Hara. The influence of feeding ecology and migration barriers on mercury accumulation Dolly Varden char (*Salvelinus malma*). American Fisheries Society, Western Division, Montana, May 22-25, 2017
97. Cyr, A.P., C. Sergeant, J. A. Lopez, L. Rea, T. Loomis, A. Whiting, M. Castellini, T. O'Hara. Assessing Hg accumulation in Alaskan fishes using chemical feeding ecology. National Environmental Monitoring Conference (NEMC), Washington D.C. Aug 7-11, 2017
98. Gerrish, H.N., Cyr, A.P., Castellini, J.M., López, J.A., O'Hara T.M. Biopsy punches as a cost effective and efficient tool to monitor mercury in fish muscle. National Environmental Monitoring Conference (NEMC), Washington D.C. August 7-11, 2017
99. Lian, M., S. Johnson, T. Gelatt, T. O'Hara, K. Beckmen, L. Rea. Field anesthesia of juvenile Steller sea lions (*Eumetopias jubatus*) captured using an underwater capture technique. 22nd Biennial Conference on the Biology of Marine Mammals, Nova Scotia, Canada, October 22-27, 2017. Oral presentation.
100. Castellini, J. M., T.M. O'Hara, F. Gulland, R.S. Wells, L.D. Rea, L. Quakenbush, J. Berner. Use of blood soaked Nobuto filter paper for concurrent analysis of contaminants, nutrients, carbon (C) and nitrogen (N) stable isotopes, and serology. 22nd Biennial Conference on the Biology of Marine Mammals, Nova Scotia, Canada, October 22-27, 2017
101. Rea, L., J. M. Castellini, J. Avery, B. Fadely, H. Ziel, R. Ream, C. Kuhn, C. Duncan, M. Rehberg, T. O'Hara. Comparison of total mercury concentrations in hair of three pinniped species from the Aleutian Islands and Bering Sea, Alaska. 22nd Biennial Conference on the Biology of Marine Mammals, Nova Scotia, Canada, October 22-27, 2017

PRESENTATIONS AND ABSTRACTS (past to most recent) con'd:

102. Avery, J.P., T. Lamken, T. O'Hara, J. M. Castellini, J. London, H. Ziel, L.D. Rea. Impact of foraging ecology on total mercury, monomethylmercury, and selenium concentrations in Aleutian Island harbor seals. 22nd Biennial Conference on the Biology of Marine Mammals, Nova Scotia, Canada, October 22-27, 2017 (Poster)
103. Cyr, A.P., J. A. Lopez, L. Rea, T. Loomis, M. Castellini, T. O'Hara. Species and regional differences in chemical feeding ecology of Hg in Aleutian Island groundfish, Soc. of Env Tox and Chem North America 38th Annual Meeting, Minneapolis, MN, November, 2017 (Poster)
104. Avery, J.P., T. Lamken, T.M. O'Hara, J. Margaret Castellini, J. London, H. Ziel, and L.D. Rea. 2017. Impact of foraging ecology on total mercury, monomethylmercury, and selenium concentrations in Aleutian Island harbor seals. University of North Florida, Department of Biological Sciences, Jacksonville FL. November 3, 2017
105. O'Hara, T. "One Health and Canids". Alaska - Care and Husbandry Instruction for Lifelong Living (A-CHILL) Meeting, Fairbanks, Alaska, July 25, 2017
106. Lian, M., T. O'Hara, Lorrie Rea, J. Castellini, T. Kuhn, M. Keogh, B. Fadely, J. Maniscalco. "Oxidative stress indicators for assessing adverse effects of mercury exposure in Steller sea lions: baseline values from relatively low mercury exposure." 2018 Alaska Marine Science Symposium. January, 2018 Anchorage, Alaska
107. Furin, C., B. Hagedorn, C. Dykstra, T. O'Hara, R. Gerlach. 2018. Fatty acid profiles in muscle of Alaska Pacific Halibut: Associations with region, age-class and mercury content. 2018 Alaska Marine Science Symposium. January, 2018 Anchorage, Alaska
108. Cyr, A., J.A. Lopez, A. Whiting, R. Gerlach, T. O'Hara. Biological drivers of total mercury and monomethyl mercury concentrations in subsistence fish from Kotzebue Sound. 2018 Alaska Marine Science Symposium. January, 2018 Anchorage, Alaska
109. Cambrelin, M., J.M. Castellini, T. O'Hara. Use of blood soaked filter papers to measure selenium concentrations in marine mammals. Colorado State Univ. College of Veterinary Medicine and Biomedical Sciences Research Day. Jan. 20, 2018
110. Rivero, J., M. Murphy, T. O'Hara, Y. Li, M. Castellini. Detection of Francisella tularensis in the Mosquito Population of Rural Alaska". Colorado State Univ. College of Veterinary Medicine and Biomedical Sciences Research Day. Jan. 20, 2018.
111. Furin, C., B. Hagedorn, C. Dykstra, T. O'Hara, R. Gerlach. Free Fatty Acids in Alaska Pacific Halibut, 69th Pacific Fisheries Technologist Conference, Feb 5, 2018
112. O'Hara, T.M. Mercury and Selenium in Blood Compartments: Marine Mammals. San Diego Am. Assoc. of Clinical Chemistry (AACC), at Center for Advanced Laboratory Medicine, Univ California San Diego, San Diego, CA. Jan 4, 2018.
113. O'Hara, T.M. RAMP Filter Paper Sampling: Development and validation of methods. Arctic Habitat Change and Emerging Threats to Human & Environmental Health at Alaska Forum on the Environment, Feb. 14, 2018, Anchorage, Alaska
114. O'Hara, T.M. One Health Research and Alaska Native Communities: Monitoring foodwebs. Feb 23, 2018, Salish Kootenai College, Pablo, MT
115. Bishop, LR, M Lian, JM Castellini, TB Kuhn, LD Rea, M Keogh, B Fadley, J Maniscalco, and TM OHara. Oxidative stress in Steller sea lions (*Eumetopias jubatus*) relative to Se and Hg. Alaska Chapter of The Wildlife Society, March 26-30, 2018
116. Murillo-Cisneros, D., T. O'Hara, P. Curiel-Godoy, A. Sánchez-González, F.R. Elorriaga-Verplancken, A.J. Marmolejo-Rodríguez, F. Galván-Magaña. Isotopic niche overlap among two sympatric ray species, *Pseudobatos productus* and *Zapteryx exasperata* in the Pacific coast of Baja California Sur March 24-25, 2018, Seattle, Washington. Northeast Pacific Shark Symposium.

PRESENTATIONS AND ABSTRACTS (past to most recent) con'd:

117. Kennedy, S.N., B. Wilhite, J. M. Castellini, A. Ferrante, L. Rea, T. Kuhn, T. O'Hara. Validation of a protein A ELISA for measuring immunoglobulin G in a non-traditional wildlife species, the Steller sea lion (*Eumatopias jubatus*). Immunology 2018. Austin, TX May 4-8, 2018
118. Bishop, LR, M Lian, JM Castellini, TB Kuhn, LD Rea, M Keogh, B Fadley, J Maniscalco, TM O'Hara. Oxidative stress in Steller sea lions relative to mercury. Western Alaska Interdisciplinary Science Conference and Forum Sharing Science and Knowledge, Nome, Alaska, March 28–30, 2018.
119. O'Hara, TM, JM Castellini, L Rea, L Quakenbush, J Berner. Rural Alaska Monitoring Program (RAMP): Integrated Agency and Community-Based Assessment of Environmental Agents of Disease. Western Alaska Interdisciplinary Science Conference and Forum Sharing Science and Knowledge, Nome, Alaska, March 28–30, 2018.
120. Gerrish, H., S. Kennedy, L.D. Rea, T. O'Hara, T. Kuhn. Investigation of freeze-thaw effects on the measurement of sea lion immunoglobulin G antibody. Midnight Sun Science Symposium, April 12&13, 2018, Univ of Alaska Fairbanks, Fairbanks, Alaska

O'Hara, Co-organizer. Steller Sea Lion Research Symposium, Univ. of Alaska Fairbanks, April 24-25, 2018. #121-132 (Research team presentations, emphasizing student projects)

121. Regional variations and drivers of mercury and selenium concentrations in Steller sea lions. LD Rea, Castellini JM, Fadely BS, Burkanov, VN, Rehberg, MJ, O'Hara TM
122. Mercury concentrations in groundfish from the Aleutian Islands: inter-species and regional comparisons. A Cyr, LD Rea, JA Lopez, MJ Wooller, T Loomis, S McDermott, RF Gerlach, TM O'Hara.
123. Total mercury, methylmercury, and total selenium distribution in the tissues of Steller sea lions. JM Castellini, LD Rea, L Correa, JP Avery, TM O'Hara.
124. Regional and age-related variation in haptoglobin concentrations in Steller sea lions from Alaska: physiological and toxicological associations. SN Kennedy, JM Castellini, AB Hayden, BS Fadely, VN Burkanov, A Dajles, TM O'Hara, LD Rea
125. Investigation of Steller sea lion immune status (validation methods and prelim Ig results). S Kennedy, LD Rea, TM O'Hara et al.
126. Temporal records of diet diversity dynamics in individual adult female Steller sea lion (*Eumatopias jubatus*) vibrissae. Doll, A.C., Taras, B.D., Stricker, C.A., L.D. Rea, T.M. O'Hara, A.P. Cyr, S. McDermott, T.M. Loomis, B.S. Fadely, M.B. Wunder.
127. Oxidative stress in Steller sea lions relative to mercury: preliminary results and baseline values. M Lian, J.M. Castellini, T.B. Kuhn, L.R. Bishop, L.D. Rea, M. Keogh, B. Fadely, J. Maniscalco, T.M. O'Hara
128. Temporal trends in total mercury concentrations in Steller sea lions. L Rea, SG Crawford, TM O'Hara
129. Comparison of Adrenal Hormone and Mercury Concentrations in Hair of Steller Sea Lion Pups. A. Grimes, LD Rea, TM O'Hara, JM Castellini, BS Fadely, M Keogh.
130. Mercury Concentrations in Pacific Harbor Seal Pups: Model for Neurodevelopmental Outcomes. TM O'Hara.
131. Comparison of total mercury concentrations in hair of three pinniped species feeding in the Aleutian Islands and Bering Sea, Alaska. LD Rea, JM Castellini, JP Avery, BS Fadely, H Ziel, RR Ream, C Kuhn, C Duncan, M Rehberg, TM O'Hara.
132. Organochlorine contaminant concentrations in Steller sea lions and potential for cumulative effects with mercury. LD Rea, BD Taras, TM O'Hara, SG Crawford, BS Fadely, MJ Rehberg, GM Ylitalo

PRESENTATIONS AND ABSTRACTS (past to most recent) con'd:

133. Grimes, A., L. Rea, T. O'Hara, JM Castellini, B. Fadely, M. Keogh. Comparison of Adrenal Hormone and Mercury Concentrations in Hair of Steller Sea Lion Pups (*Eumetopias jubatus*). International Association of Aquatic Animal Medicine, May 2018, Long Beach, CA.
134. Thomson, C.E., S. Whoriskey, A.M. McClain, S.P. Johnson, P.J. Duignan, T.M. O'Hara, J.M. Castellini, C.L. Field. Development of a neurological examination protocol harbor seal (*Phoca vitulina richardii*) pups. 31st Annual Symposium of the European Society of Veterinary Neurology (ESVN) and European College of Veterinary Neurology (ECVN). Copenhagen, Denmark, 20 – 22 September 2018.
135. Keogh, M., M. Levin, T.M. O'Hara, J. M. Castellini, L. Rea, J. Maniscalco, B. Fadely, J-P Desforges "Monomethyl mercury (MeHg+) alters adaptive immune functions upon in vitro and in vivo exposure in Steller sea lion (*Eumetopias jubatus*) pups" 2019 Alaska Marine Science Symposium, Anchorage, Alaska, January 29-Feb 1, 2019
136. Rea, L., TM O'Hara, MJ Wooller. Compound specific nitrogen isotope ratios of amino acids in Steller sea lion whiskers reflect seasonal changes in baseline isotope values in their Alaska marine food webs. 2019 Alaska Marine Science Symposium, Anchorage, Alaska, January 29-Feb 1, 2019
137. Furin, C., B. Hagedorn, C. Dykstra, T. O'Hara, R. Gerlach. Fatty acid profiles in muscle of Alaska Pacific Halibut: Associations with region, age-class and mercury content. 2019 Alaska Marine Science Symposium, Anchorage, Alaska, January 29-Feb 1, 2019
138. Lian, M., B. Fadely, JM Castellini, J Maniscalco, M Keogh, L Rea, L Bishop, T Kuhn, T O'Hara. Oxidative stress and glutathione peroxidase in Steller sea lions: Associations with mercury and selenium status. 2019 Alaska Marine Science Symposium, Anchorage, Alaska, January 29-Feb 1, 2019
139. Crawford, SG, T.M. O'Hara, J.M. Castellini, J.P. Avery, B.S. Fadely, M. Keogh, M. Rehberg, L.D. Rea. Crescendos in heavy metal: Increasing mercury concentrations measured in Steller sea lion pups at Agattu Island, western Aleutian Islands, Alaska. 2019 Alaska Marine Science Symposium, Anchorage, Alaska, January 29-Feb 1, 2019
140. McCahon, S, C Montgomerie, F Gandel, S Sands, T O'Hara, M Lian. Different methods for measuring plasma protein concentrations produce different results: a study comparing the Bradford assay and refractometry in three Alaskan species. Alaska Chapter of The Wildlife Society, Juneau, Alaska, Feb 26-28, 2019
141. Lian, M., B. Fadely, JM Castellini, J Maniscalco, M Keogh, L Rea, L Bishop, T Kuhn, T O'Hara. Oxidative stress and glutathione peroxidase in Steller sea lions: Associations with mercury and selenium status. Alaska Chapter of The Wildlife Society, Juneau, Alaska, Feb 26-28, 2019
142. Crawford, SG, T.M. O'Hara, J.M. Castellini, J.P. Avery, B.S. Fadely, M. Keogh, M. Rehberg, L.D. Rea. Crescendos in heavy metal: increasing mercury concentrations measured in Steller sea lion pups in the western Aleutian Islands, One Health Research Conference of Alaska 2019, May 15-17, 2019 University of Alaska Fairbanks
143. McCahon, S, C Montgomerie, F Gandel, S Sands, T O'Hara, M Lian. Different methods for measuring plasma protein concentrations produce different results: a study comparing the Bradford assay and refractometry in three Alaskan species, One Health Research Conference of Alaska 2019, May 15-17, 2019 University of Alaska Fairbanks
144. O'Hara, "One Health Baja California Sur, Mexico", Colorado State Univ., College of Veterinary Medicine and Biomedical Sciences, May 14, 2019

PRESENTATIONS AND ABSTRACTS (past to most recent) con'd:

145. O'Hara, *Chemical Feeding Ecology of Mercury in Humans*, College of Veterinary Medicine and Biomedical Science at the Colorado State University, Aug 22, 2019
146. Sommermeyer, K., T. O'Hara, K. Pabilonia, V. Scorza, A. McGrew. GI Parasites in Wildlife and Domestic Canids from Alaska. Rocky Mountain Conference of Parasitologists, Cedar Point Biological Station in Ogallala, Nebraska from September 5-7th, 2019

MEMBERSHIP IN PROFESSIONAL SOCIETIES:

- Member of American Veterinary Medical Association (AVMA)
- Member of Alaska Veterinary Medical Association (AK VMA)
- Member of Interior Veterinary Medical Association (IVMA)
- Diplomate American Board of Veterinary Toxicology (ABVT) - Board Certified in 1995 to present
- Marine Mammal Society
 - Member of Ethics Advisory Committee (summer 2008-present)
- Society of Environmental Toxicology and Chemistry (SETAC) [past member]
- Society of Toxicology (SOT) [past member]
- Wildlife Disease Association (WDA, 1992-present);
 - Chair, Student Activities Committee (1996-1998)
 - Member, Nominations Committee (1998-2001; Chair 2000-2001)