

B. Denise Petty, DVM

Large Animal Clinical Sciences
College of Veterinary Medicine and,
Department of Fisheries and Aquatic Sciences
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EDUCATION:

School of Veterinary Medicine Auburn University Degree: Doctor of Veterinary Medicine, 1980

Auburn University Pre-veterinary curriculum

Alexander City State Junior College Degree: Associate in Science, 1975.

QUALIFICATIONS:

Licensed Veterinarian in the state of Florida, USDA Accredited Veterinarian

Adjunct Assistant Professor, Department of Fisheries and Aquatic Sciences, University of Florida, Gainesville, FL

Adjunct Faculty, Aquaculture Program, Hillsborough Community College, Brandon, FL

EXPERIENCE:

Joint Appointment, Clinical Assistant Professor 04/04 – Present

Large Animal Clinical Sciences, College of Veterinary Medicine

Department of Fisheries and Aquatic Sciences

University of Florida

Gainesville, FL

Extension Veterinarian, Aquatic Animal Health – Primary duties include aquaculture diagnostics, development of client education programs, teaching, research

Florida Department of Agriculture and Consumer Services Division of Animal Industry 06/02 – 04/04

Bob Crawford Building, Bartow, FL

Animal Disease Diagnostic Laboratory, Kissimmee, FL

Aquaculture Specialist – Duties include development of and performing aquaculture diagnostics, development of client educational programs, disease surveillance programs, supervisor of the Aquaculture and Clinical Pathology/Parasitology sections

Segrest Farms – marine and freshwater ornamental whole-sale facility 10/95 – 05/02

Gibson, FL

Staff Veterinarian - Primary duties include fish disease diagnosis, treatment and prevention, water quality evaluation; established fish health protocols; managed fish health at two off-site facilities; developed and presented client education programs; developed fish health management protocols and performed diagnostics with client producers at their facilities; visited marine ornamental collection and export facilities in the Philippines and Palau

PROFESSIONAL ORAL PRESENTATIONS:

Petty BD, Francis-Floyd R, Yanong R, Riggs A, Sturmer L. Results of health screening of cultured hard clams *Mercenaria mercenaria* in Florida. Aquaculture 2007, San Antonio, TX, February 26-March 2, 2007.

Petty BD. Viral diseases of koi and goldfish. Florida Veterinary Medical Association, 77th Annual Conference, Orlando, FL, September 8-11, 2006.

Petty BD. Aflatoxicosis and rainbow trout. International Symposium on Aquatic Animal Health, San Francisco, CA, September 2-6, 2006.

Crosby TC, Petty BD, Yanong RPE, Hill JE, Hartman KH, Hamlin H, Guillette L. Investigation of metomidate hydrochloride as a sedative for shipping of ornamental fish. International Symposium on Aquatic Animal Health, San Francisco, CA, September 2-6, 2006.

Petty BD. The role of the veterinarian in the ornamental fish industry. International Symposium on Aquatic Animal Health, San Francisco, CA, September 2-6, 2006.

Petty BD. Mycobacteriosis in marine fishes. Aquaculture America 2006, World Aquaculture Society Conference, Las Vegas, NV, February 13-16, 2006.

Petty BD. The usual suspects: bacterial disease you love to hate. Florida Veterinary Medical Association, 76th Annual Conference, Orlando, FL, September 2005.

Petty BD. Exotic and unusual diseases of the wet and wild. 55th American Association of Laboratory Animal Science National Meeting, Tampa, FL, October 17-21, 2004.

Hartman KH, O Miller, RPE Yanong, D Petty, R. Francis-Floyd. An interagency approach to fish health in Florida aquaculture: Unique collaboration of federal, state, university and private entities. Annual International Association for Aquatic Animal Medicine. Galveston, TX, April 4-9, 2004.

Hartman KH, O Miller, RPE Yanong, D Petty, R. Francis-Floyd. An interagency approach to fish health in Florida aquaculture: unique collaboration of federal, state, university and private entities. Aquaculture America 2004, World Aquaculture Society Conference, Honolulu, HI, March 1-5, 2004.

Hartman KH and D Petty. Biosecurity practices for ornamental fish wholesalers – what works? Aquaculture America 2004, World Aquaculture Society Conference, Honolulu, HI, March 1-5, 2004.

Petty BD, Diseases in Florida aquatic animals – what’s out there? Florida Veterinary Medical Association, 75th Annual Conference, Orlando, FL, September 2004.

Petty BD, Electronic health certification for aquaculture. Aquatic Animal Health Session, 141st American Veterinary Medical Association Annual Convention, Philadelphia, PA, July 2004.

Petty BD, Viral diseases of koi and other fish: significance, clinical findings, and diagnostics. Aquatic Animal Health Session, 141st American Veterinary Medical Association Annual Convention, Philadelphia, PA, July 2004.

Petty BD and KH Hartman, Florida’s aquaculture program. Joint USDA/APHIS/VS-FDACS Division of Animal Industry Management Conference, Haines City, FL, October 2003.

Petty BD, GlobalVetLink: Florida OCVI. Aquaculture and Seafood Committee, American Veterinary Medical Association, Chicago, IL, March 2003.

Petty BD, Fish health management at a wholesale facility. 27th Annual Eastern Fish Health Workshop, Charleston, SC, March 2002.

Petty BD, Fish health services for pet retailers. Aquaculture session, 135th Annual Convention, American Veterinary Medical Association Baltimore, MD, July 1998.

Petty BD, Aquatic creatures on the ‘net. Public Aquarium Marine Fish Health Seminar, Mote Marine Lab/Florida Aquarium, Tampa, FL, March 1998.

EXTENSION ORAL PRESENTATIONS:

Hartman K, Petty BD. Reporting of KHV. Multi-Regional Koi Herpesvirus Education Program, Newport, OR, February 9, 2007.

Hartman K, Petty BD. Review of KHV Diagnostics. Multi-Regional Koi Herpesvirus Education Program, Newport, OR, February 9, 2007.

Yanong R, Petty BD. Biology, nutrition, immunology and stress of fish. Multi-Regional Koi Herpesvirus Education Program, Newport, OR, February 9, 2007.

Petty BD, Francis-Floyd R. Koi and goldfish viral diseases update. Homestead, FL, October 2006.

Petty BD, Yanong R, Francis-Floyd R. Koi and goldfish viral diseases update. Gainesville, FL October 2006.

Petty BD, Yanong R. Koi and goldfish viral diseases update. Ruskin, FL, October 2006.

Petty BD, Hand-on practicum. Tri-county Fish Production Workshop Series, Raiford, FL, September 2006.

Petty BD, Overview of fish diseases in recreational ponds. Tri-county Fish Production Workshop Series, Raiford, FL, September 2006.

Petty BD, Introduction to fish health. 4-H Congress Track: Exploring Florida's Aquatic Resources, Gainesville, FL, July 2006

Petty BD, Water quality parameters and management that affect fish health. Columbia County Extension Workshop, Lake City, FL, September 2005.

Petty BD, Water quality parameters and management that affect fish health. Tri-county Extension Workshop, Raiford, FL, September 2005.

Petty BD, Brief natural history of Rift Lake cichlids, Cichlid Nutrition Workshop, Homestead, FL, July 2005.

Petty BD, The chemotherapeutant needs of the Florida aquaculture industry. NRSP-7 Workgroup Meeting, Washington, DC, May 2005.

Petty BD and KH Hartman, Aquatic animal diseases. State Agricultural Response Team Training Workshop Belle Glade, FL, April 2005.

Petty BD, Introducing Florida aquaculture. State Agricultural Response Team Training Workshop, Kissimmee, FL, April 2005.

Petty BD, Emergency management and quarantine of aquaculture facilities. State Agricultural Response Team Training Workshop, Kissimmee, FL, March 2005.

Petty BD, Aquatic animal diseases. State Agricultural Response Team Training Workshop, Kissimmee, FL, March 2005.

Petty BD and KH Hartman, Introducing Florida aquaculture. State Agricultural Response Team Training Workshop Kissimmee, FL, March 2005.

Francis-Floyd R, Hartman KH, Yanong R, Riggs AC, **Petty** BD, Emerging diseases of koi. Florida Producer Information Workshop, Tallahassee, Ruskin, Gainesville, Fort Pierce, and Miami, FL, October 2003.

Petty BD, The role of DACS Animal Industry and clam health. Health Management Issues for the Hard Clam Aquaculture Industry, Palm Bay, FL, January 2003.

Petty BD, DACS Diagnostic Labs Update: Getting "Aqua" Cultured. Florida Aquaculture Association Conference, Tampa, FL, November 2002.

TEACHING EXPERIENCE:

Co-lecturer, Livestock Health and Disease Prevention (VME 4103), University of Florida, Gainesville, FL, Winter semester 2005- present.

Orientation for wildlife rotation students
College of Veterinary Medicine, University of Florida, Gainesville, FL, July 2004- present.

Guest lecturer, 1.5 hours and laboratory, 2.45 hours. Biology of Fishes (FAS 4202C, FAS 5203C)
University of Florida, Gainesville, FL, October 2005.

Guest lecturer, 4 hours, and two labs, Principles of Aquaculture (FAS 4405C)
University of Florida, Gainesville, FL, February 2005.

Lecture, 1.5 hours, Water Quality, and many labs, Diseases of Warmwater Fish
University of Florida, Ruskin and St. Augustine, FL, March 2004.

Lecture, 1 hour, Regulatory Issues and Related Topics, Faculty, Advanced Fish Medicine
University of Florida, Gainesville, FL, March 2003.

Aquacultural Disease Processes (FAS 2253), Aquacultural Disease Processes Laboratory (FAS 2253L)
Adjunct faculty member, Aquaculture Program, Hillsborough Community College, Brandon, FL, June – December 2002.

As the primary instructor for the three credit hour lecture and one credit hour laboratory, I organized and taught these courses, which covered non-infectious and infectious diseases of aquacultured animals.

Faculty member, Diagnosis and Treatment of Diseases of Warmwater Fish
University of Florida, Gainesville, FL, 1996-2001.

Lecture, 1 hour, Water Quality and Aquarium Fishes, Aquacultural Disease Processes
Hillsborough Community College, Brandon, FL, November 2001.

Lecture, 1 hour, Treatments: Selection and Application, Aquacultural Disease Processes
Hillsborough Community College, Brandon, FL, October 2000.

Lecture, 1 hour, Water Quality and Aquarium Fishes, Aquacultural Disease Processes
Hillsborough Community College, Brandon, FL, February 2000.

Lecture, 1 hour, Parasites of Aquarium Fishes, Aquacultural Disease Processes
Hillsborough Community College, Brandon, FL, November 1998.

Lecture, 1 hour, Water Quality and Aquarium Fishes, Aquacultural Disease Processes
Hillsborough Community College, Brandon, FL, September 1998.

PROFESSIONAL ACTIVITY:

Florida Fish and Wildlife Commission Fish Health Advisory Committee, 2005 – present.

Aquatics Program Chair, North American Veterinary Conference, 2006-2008.

Journal of Aquatic Animal Health (JAAH) Subcommittee of the American Fisheries Society Publication Awards
Committee 2004.

Working group to develop an aquatic animal health plan for Florida Aquaculture Producers; composed of fish health
professionals and veterinarians from the University of Florida, USDA, and Florida Fish and Wildlife Commission.
2003- present

County/State Agricultural Response Team (CART/SART) This group is developing protocols for managing animal
emergencies within the state. 2003-2004.

PROFESSIONAL PUBLICATIONS:

Petty BD, Fraser W. Viruses of Pet Fish, In: *Veterinary Clinics of North America: Exotic Animal Practice Special
issue: Virology*, Saunders, 2005:8:1: 67-84.

Miller RA, Walker RD, Carson J, Coles M, Coyne R, Dalsgaard I, Giesecker C, Hsu HM, Mathers JJ, Papapetropoulou
M, **Petty** B, Teitzel C, Reimschuessel R. Standardization of a Broth Microdilution Susceptibility Testing Method to
Determine Minimum Inhibitory Concentrations of Aquatic Bacteria, *Diseases of Aquatic Organisms*, 2005:64:211-
222.

Petty BD, Francis-Floyd R. Pet fish care and husbandry. In: *The Veterinary Clinics of North America: Exotic Animal
Practice*, Saunders, 2004:7:397-419.

Petty BD, Maher K, Scarfe AD, Hoenig DE, Kebus MJ, Ehlenfelt R, Danner GR, O'Connor A, Sloan D, Bredeson H.
Electronic certificates of veterinary inspection: A model for rapid Health assurance in biosecurity programs, *World
Aquaculture Society* 2004.

Hartman KH, **Petty** BD. Biosecurity practices for ornamental fish wholesalers – what works, *Marine Ornamentals
2004*.

Hartman KH, Miller O, Yanong R, **Petty** BD, Francis-Floyd R. A model interagency approach to fish health: A unique
collaboration of federal, state, university and private entities, *World Aquaculture Society* 2004.

Petty BD. Fish health management at a wholesale facility, *Proceedings of the 27th Annual Eastern Fish Health
Workshop*, 2002.

Petty BD. Fish health services for pet retailers, *Proceedings of the 135th Annual Convention, American Veterinary
Medical Association*, 1998.

EXTENSION PUBLICATIONS:

Francis-Floyd R, Brooks C, Petty BD. Response to a suspected toxin-induced fish kill. Florida Cooperative Extension Service, Institute of Food and Agricultural Sciences, University of Florida, 2006.

Baker S, **Petty** BD, Francis-Floyd R, Yanong R, Sturmer L. Introduction to infectious diseases in hard clams. Florida Cooperative Extension Service, Institute of Food and Agricultural Sciences, University of Florida, 2006.

Yanong R, **Petty** BD. Attack of the killer eyelids! The weird world of ciliates. In: *Buntbarsche Bulletin*, The Journal of the American Cichlid Association, No. 221, 2004.

Yanong R, **Petty** BD, Francis-Floyd R, Riggs AC. *Koi herpes virus disease*, Florida Cooperative Extension Service, Institute of Food and Agricultural Sciences, University of Florida, 2004.

Yanong R, **Petty** BD. Fish parasites and their families: Relationships are important! In: *Buntbarsche Bulletin*, The Journal of the American Cichlid Association, No. 219, 2003.

Petty BD, Riggs AC, Klinger R, Yanong, R, Francis-Floyd R. *Spring viremia of carp*, Florida Cooperative Extension Service, Institute of Food and Agricultural Sciences, University of Florida, July 2002.

PROFESSIONAL ORGANIZATIONS:

American Veterinary Medical Association

World Aquaculture Society

American Fisheries Society-Fish Health Section

Aquacultural Engineering Society

National Shellfisheries Association

Florida Tropical Fish Farms Association

American Society of Ichthyologists and Herpetologists

European Association of Fish Pathologists

COMITTEES:

Aquatic Animal Health Education Committee, University of Florida

Pet Zoonoses Committee, Pet Industry Joint Advisory Council

HONORS: Honorable Order of Kentucky Colonels, 2000.