

Roy P. Yanong, VMD
Abridged Curriculum Vitae for FAS website

Name: Roy P. E. Yanong, VMD

Position: Associate Professor/Extension Veterinarian
Tropical Aquaculture Laboratory
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Education: VMD, School of Veterinary Medicine, University of Pennsylvania, May 1992.

BA, Molecular Biophysics and Biochemistry, Yale University, May 1986.

Professional Experience:

2004 to present, Associate Professor/Veterinarian, Dept. of Fisheries and Aquatic Sciences, University of Florida

1998 to 2004, Assistant Professor/Veterinarian, Dept. of Fisheries and Aquatic Sciences, University of Florida

1996 to 1998, Clinical Instructor/Extension Veterinarian, Dept. of Large Animal Clinical Sciences, College of Veterinary Medicine, University of Florida

1992 to 1996, Staff Veterinarian, 5-D Tropical, Inc., Plant City, Florida.

Memberships: American Veterinary Medical Association
International Association for Aquatic Animal Medicine
American Fisheries Society, Fish Health Section
World Aquaculture Society
U.S. Aquaculture Society

Select Presentations:

A Practitioner's Guide to Aquarium Systems, American Veterinary Medical Association Annual Convention, Philadelphia, PA, July 2004.

Therapeutic Approaches to Common Parasitic and Bacterial Diseases in Fish, American Veterinary Medical Association Annual Convention, Philadelphia, PA, July 2004.

Preliminary Investigations with Pyceze[®] (Novartis Animal Vaccines Limited) in Select Species of Freshwater Tropical Fish, International Association for Aquatic Animal Medicine, Galveston, TX, April, 2004.

The Ornamental Fish Trade and Pet Fish Medicine: An International Perspective. International Association for Aquatic Animal Medicine, Galveston, TX, April, 2004.

From Dog-Paddling to Swimming with the Fishes: Post-DVM Educational Opportunities in Fish Medicine, International Association for Aquatic Animal Medicine, Galveston, TX, April, 2004.

Common Fungal Diseases in Fish. North American Veterinary Conference,

Orlando, FL, January 2004.

Fungal Diseases in Fish: Interactive Case Reports. North American Veterinary Conference, Orlando, FL, January 2004.

Iridoviral Associated Disease in Oscars (*Astronotus ocellatus*). 34th Annual Conference, International Association for Aquatic Animal Medicine, Hawaii, May, 2003.

Emerging Fish Diseases: Current Cases and Controversies; U.S. Aquaculture and the Environment, Producer Session, Aquaculture America, 2003. Louisville, KY.

Freshwater Ornamental Fish Reproduction: Management and Diseases; North American Veterinary Conference, Orlando, FL, January 2003.

Pet Fish Formulary: Chemotherapeutics and Caveats; North American Veterinary Conference, Orlando, FL, January 2003

Interactive Case Reports: Fish, Sex, and Drugs; North American Veterinary Conference, Orlando, FL January 2003.

The Science and Politics of Fish Health. 2002. Florida Aquaculture Association Annual Meeting, Tampa, FL

Mycobacteriosis in Fish. 2002. Public Aquarium Marine Fish Health Seminar, Tampa, FL.

Mycobacteriosis in a collection of frogfish (*Antennarius striatus*): an atypical presentation. Fourth International Symposium on Aquatic Animal Health, New Orleans, LA, Sept. 2002

Single-dose pharmacokinetics of florfenicol in koi (*Cyprinus carpio*) and gourami (*Trichogaster trichopterus*). Fourth International Symposium on Aquatic Animal Health, New Orleans, LA, Sept. 2002.

An Overview of Diseases of Freshwater Ornamental Finfish Aquaculture in Florida. 27th Annual Eastern Fish Health Workshop. Charleston, SC. March, 2002.

The Use of Ovaprim ® as a Treatment for an 'Egg-bound' Frogfish (*Antennarius striatus*), 2nd International Conference on Marine Ornamentals: Collection, Culture, and Conservation, Orlando, FL, November, 2001. Fish Health and Disease in Florida's Tropical Fish Industry, Southern Animal Health Association meeting Orlando, FL, June 2001.

The Use of Hydrogen Peroxide in the Treatment of Ectoparasites in Freshwater Aquarium Fish. 32nd Annual Conference, International Association for Aquatic Animal Medicine, Tampa, FL. May 2001.

Veterinarian's Guide to Aquarium Fish, American Veterinary Medical Association Convention, New Orleans, July, 1999.

Aquarium Fish Diseases: Clinical Techniques and Therapy, American Veterinary Medical Association Convention, New Orleans, July, 1999.

Fish Microbiology Basics and Important Considerations, Aquarama '99 World Conference on Ornamental Fish Aquaculture, Singapore, June, 1999.

Granulomatous Gastritis in Juvenile Discus, International Association for Aquatic Animal Medicine, Boston, MA, May, 1999.

Koi and Goldfish Health and Disease, All Florida Koi and Pond Show '99, Splendid China, Orlando, FL March 20, 1999.

Preliminary Investigations into Vertical Transmission of Mycobacteriosis in Ornamental Fish, International Association for Aquatic Animal Medicine, San Diego, CA 1998.

Bugs on Drugs: A Bacteriology and Pharmacology Primer, Public Aquarium Marine Fish Health Seminar, The Florida Aquarium, 1998.

Diseases of Cichlids, North American Veterinary Conference, Orlando, FL 1998.

Cichlid Case Reports, North American Veterinary Conference, Orlando, FL 1998.

Fish Anatomy and Physiology: A Primer, Atlantic Coast Veterinary Conference, Atlantic City, NJ, 1997.

Water Quality, aka Fish Soup, Atlantic Coast Veterinary Conference, Atlantic City, NJ, 1997.

Common Parasites of Ornamental Tropical Fish, Atlantic Coast Veterinary Conference, Atlantic City, NJ, 1997.

Bacterial Diseases in Ornamental Tropical Fish, Atlantic Coast Veterinary Conference, Atlantic City, NJ, 1997.

Aquaculture Medicine aka Industrial Strength Medicine, Atlantic Coast Veterinary Conference, Atlantic City, NJ, 1997.

A Fish Is Not Just A Fish: An Introduction to Species in the Hobby, Atlantic Coast Veterinary Conference, Atlantic City, NJ, 1997.

Problem Solving Approaches, Atlantic Coast Veterinary Conference, Atlantic City, NJ, 1997.

Commonly Occurring Diseases of Ornamental Tropical Fish, North American Veterinary Conference, Orlando, FL 1997.

Case Reports, North American Veterinary Conference, Orlando, FL 1997.

Select Publications:

Refereed Scientific Publications:

Yanong, RPE, Curtis EW, Simmons R, Bhattaram VA, Gopalakrishnan M, Ketabi N, Nagaraj, NV, Derendorf H. Pharmacokinetic Studies of Florfenicol in Koi (*Cyprinus carpio*) and Three-Spot Gourami (*Trichogaster trichopterus*) after Oral and Intramuscular treatment. *Journal of Aquatic Animal Health*. (accepted 2004, in press)

Yanong RPE, Curtis E, Russo R, Francis-Floyd R, Klinger R, Berzins I, Kelley K, and Poynton SL. 2004. *Cryptobia iubilans* infection in juvenile discus. *Journal of the American Veterinary Medical Association*. Pp. 1644-1650.

Yanong RPE. 2003. Necropsy Techniques for Fish. In Practical Gross Necropsy of Exotic Animal Species. Seminars in Avian and Exotic Pet Medicine., Echols S., ed. W.B. Saunders Co., Philadelphia, PA. pp.89-105.

Rothen, DE, Curtis EW, Yanong RPE. 2002. Tolerance of Yolk Sac and Free-Swimming Fry of the Zebra Danio *Brachydanio rerio*, Black Tetra *Gymnocorymbus ternetzi*, Buenos Aires Tetra *Hemigrammus caudovittatus*, and Blue Gourami *Trichogaster trichopterus* to Therapeutic Doses of Formalin and Sodium Chloride. *Journal of Aquatic Animal Health* 14: 204-208.

Yanong RPE, Curtis EW, Terrell SP, Case G. 2003. Atypical Presentation of Mycobacteriosis in a Collection of Frogfish *Antennarius striatus*. *Journal of Zoo and Wildlife Medicine* 34(4): 400-407, 2003

Yanong, R.P.E., Francis-Floyd R, Curtis E, Klinger R, Cichra MF, Berzins IK. 2002. Algal Dermatitis in Cichlids. *Journal of the American Veterinary Medical Association*. 220 (9): 1353-1358.

Yanong, R.P.E. 1996. Reproductive management of freshwater ornamental fish, *In* Reproduction and Obstetrics, A.M. Fudge, ed., B.L. Speer, Guest ed., Seminars in Avian and Exotic Pet Medicine, W.B. Saunders, Philadelphia, PA. 5(4): 222-235.

Craig, A.C., Yanong, R.P.E., Reinisch, C.L. Prevalence of leukemia in hemolymph of soft-shell clams, *Mya arenaria*, in Dorchester Bay, Boston Harbor. *Marine Environmental Research* 28 (1-4) 1989: 383-387.

Book chapters:

Yanong, RPE. 2005. (In Spanish) Peces de acuario, Capitulo 4. (Chapter 4, Aquarium Fish). *Atlas de Medicina, Terapeutica y Patologia de Animales Exoticos*, Aguilar, R., Hernandez-Divers, SM, and Hernandez-Divers, SJ, Eds. Inter-Medica SAICI, Editorial, Buenos Aires, Argentina. Pp. 81-111.

Yanong RPE. 2003. Fungal diseases of fish. In *Fungal Diseases*, Michael P. Jones, ed. *Veterinary Clinics of North America, Exotic Animal Practice* 6. WB Saunders Co., Philadelphia, PA. pp. 377-400.

Yanong, R.P.E. 2001. Reproductive and Genetic Disorders *in* British Small Animal Veterinary Association (BSAVA) Manual of Ornamental Fish, 2nd Edition. BSAVA Press. Pp. 231-236.

Yanong, R.P.E. 2001. US Legislation *in* British Small Animal Veterinary Association (BSAVA) Manual of Ornamental Fish, 2nd Edition. BSAVA Press. Pp. 281-283.

Yanong, R.P.E. 2001. Nutritional Disorders *in* British Small Animal Veterinary Association (BSAVA) Manual of Ornamental Fish, 2nd Edition, BSAVA Press. Pp. 225-229.

Yanong, R.P.E. 1999. Nutrition of Ornamental Fish. *Veterinary Clinics of North America: Exotic Animal Practice*, W.B. Saunders, Philadelphia, PA, 2 (1), 19-42.

Yanong, R.P.E. contributing author in, Lewbart, G. *Self-Assessment Color Review of Ornamental Fish*. Iowa State Press, Ames, Iowa, 1998.

EDIS Extension Pubs:

Hartman, KH, Yanong, RPE, Petty, BD, Francis-Floyd, R., Riggs, AC. 2004. Koi Herpes Virus (KHV) Disease. VM-149. Florida Cooperative Extension Service, UF-IFAS.

<http://edis.ifas.ufl.edu/VM113>.

Yanong, R.P.E. 2003. Fish Health Management Considerations in Recirculating Aquaculture Systems--Part 1: Introduction and General Principles. Circular FA-120. UF IFAS Cooperative Extension Service.
<http://edis.ifas.ufl.edu/FA099>

Yanong, R.P.E. 2003. Fish Health Management Considerations in Recirculating Aquaculture Systems--Part 2: Pathogens. Circular FA-121. UF IFAS Cooperative Extension Service.
<http://edis.ifas.ufl.edu/FA100>

Yanong, R.P.E. 2003. Fish Health Management Considerations in Recirculating Aquaculture Systems--Part 3: General Recommendations and Problem-Solving Approaches. Circular FA-122. UF IFAS Cooperative Extension Service.
<http://edis.ifas.ufl.edu/FA101>

Yanong, R.P.E. 2003. Use of Antibiotics in Ornamental Fish Aquaculture. Circular FA-84. UF IFAS Cooperative Extension Service. 7 pp.
<http://edis.ifas.ufl.edu/FA084>

R.W. Rottman, J.S. Graves, J.S., C.A. Watson, and R.P.E. Yanong. 2003. Culture Techniques of Moina: The Ideal Daphnia for Feeding Freshwater Fish Fry. Circular 1054. UF IFAS Cooperative Extension Service. 6 pp.
<http://edis.ifas.ufl.edu/FA024>

Watson C.A. and R.P.E. Yanong. 2002. Use of Copper in Freshwater Aquaculture and Farm Ponds. Fact Sheet FA-13. UF, IFAS Florida Cooperative Extension Service. 2 pp.
<http://edis.ifas.ufl.edu/FA008>

Watson C.A. and R.P.E. Yanong. 2002. Decapsulating Brine Shrimp Eggs. Fact Sheet FA-18. UF, IFAS Florida Cooperative Extension Service. 2 pp.
<http://edis.ifas.ufl.edu/FA023>

Yanong, R.P.E. Nematode (Roundworm) Infections in Fish. 2002. Circular FA-91. UF IFAS Florida Cooperative Extension Service. 9 pp.
<http://edis.ifas.ufl.edu/FA091>

Petty B.D., A.C. Riggs, R. Klinger, R.P.E. Yanong, and R. Francis-Floyd.2002. Spring Viremia of Carp. VM-142. University of Florida, IFAS, Cooperative Extension Service. 4 pp.
<http://edis.ifas.ufl.edu/VM106>

Yanong, R.P.E. 2002. Pentastomid Infections in Fish. FA-90. University of Florida, IFAS Cooperative Extension Service. 3 pp.
<http://edis.ifas.ufl.edu/FA090>

Yanong, R.P.E. and R. Francis-Floyd. 2002. Streptococcal Infections of Fish. Circular FA-57. University of Florida IFAS Cooperative Extension Service. 5 pp.
<http://edis.ifas.ufl.edu/FA057>

Royes J.** and R.P.E. Yanong. 2002. Molds in Fish Feeds and Aflatoxicosis. Fact Sheet FA-95. University of Florida IFAS Cooperative Extension Service. 3 pp.
<http://edis.ifas.ufl.edu/FA095>

Hill J.E.** and R.P.E. Yanong. 2002. Freshwater Ornamental Fish Commonly Cultured in Florida. Circular FA-54. UF, IFAS Florida Cooperative Extension Service. 6 pp.
<http://edis.ifas.ufl.edu/FA054>

Francis-Floyd, R. and R.P.E. Yanong. 1999. *Cryptobia iubilans* in Cichlids. VM-104. University of Florida, IFAS Cooperative Extension Service. 3 pp.
<http://edis.ifas.ufl.edu/VM077>

Francis-Floyd, R. and R.P.E. Yanong. 1999. Mycobacteriosis in Fish. VM-96. University of Florida, IFAS, Cooperative Extension Service. 4 pp.
<http://edis.ifas.ufl.edu/VM055>

Trade journal articles:

Yanong, RPE. And Petty, BD. 2004. Attack of the Killer Eyelids! The Weird World of Ciliates. Buntbarsche Bulletin, Journal of the American Cichlid Association. 221. pp. 1-9.

Hartman, K, Yanong, RPE, Francis-Floyd, R, Riggs A, Petty, BD. 2004. Spring Viremia of Carp (SVC) and Koi Herpes Virus (KHV) Emerging Diseases of Koi: Workshop Summary and FAQs. Pondkeeper: The Trade Resource for aquatic plant nurseries, ornamental fish hatcheries, landscape installers, & retailers. pp. 40-43.

Yanong, RPE. And Petty, BD. 2003. Fish parasites and their families: Relationships are important! Buntbarsche Bulletin, Journal of the American Cichlid Association. 219.

Yanong, R.P.E. 2002. Fish Focus: Proper Use of Antibiotics in Ornamental Pond Fish (Part 2). Pondkeeper: The Trade Resource for aquatic plant nurseries, ornamental fish hatcheries, landscape installers, & retailers. Pp. 50-53.

Yanong, R.P.E. 2002. Fish Focus: Proper Use of Antibiotics in Ornamental Pond Fish (Part 1). Pondkeeper: The Trade Resource for aquatic plant nurseries, ornamental fish hatcheries, landscape installers, & retailers. Pp. 51-53.

Yanong, R.P.E. 1999. Bacteria Busters. Pet Age, 28 (7), H.H. Backer Associates Inc. pp. 31-35.

Yanong, R.P.E. 1993. Diet Management in Florida: Aquatic Food for Thought, Ornamental Fish International Journal, U.K., John Dawes, Editor. Pp. 12-13.

Industry Web-Based Publications:

Yanong RPE. Your Aquarium's Water Quality: Biological Filtration and the Nitrogen Cycle. 2000.
<http://www.petplace.com/articles/artShow.asp?artID=302>

Yanong RPE. Aquarium Water Quality: Ammonia and Nitrite Toxicity Explained. 2000.
<http://www.petplace.com/articles/artShow.asp?artID=301>

Yanong RPE. How to Successfully Raise Baby Fish. 2000.
<http://www.petplace.com/articles/artShow.asp?artID=716>

Yanong RPE. Ich (White Spot Disease) (Ichthyophthirius multifiliis).2000.
<http://www.petplace.com/articles/artShow.asp?artID=2308>

Yanong RPE. Ich! Why Are There White Spots On My Fish? 2000.
<http://www.petplace.com/articles/artShow.asp?artID=2486>