

CURRICULUM VITAE

Name: Dr Richmond Loh *BSc BVMS MPhil MANZCVSc CMAVA DipPM CCAS*
Business: The Fish Vet, Mobile Veterinary Consultancy, Perth, Western Australia.
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CAREER SUMMARY

From a very young age, I have had an interest in animals, nature and medicine, so naturally I studied to become a veterinarian. However, my passion for all things aquatic was strong which led me to my first job as a veterinary fish pathologist at the Tasmanian state laboratory, providing diagnostic services for the large aquaculture farms including species such as salmon, trout, abalone and oysters. This role was not enough to quench my passion, therefore I started up a private veterinary consultancy business which offers veterinary services to owners, farmers and retailers of fishes.

Currently I am:

- the Secretary for the Aquatic Animal Health Chapter of the Australian and New Zealand College of Veterinary Scientists (ANZCVS),
- a founding member of the World Aquatic Veterinary Medical Association (WAVMA),
- the consultant veterinarian to AQWA (the Aquarium of WA),
- an adjunct lecturer at Murdoch University and provide advice on fish health and welfare to several universities and the RSPCA,
- a member of International Association for Aquatic Animal Medicine (IAAAM).

EDUCATIONAL BACKGROUND

University-based qualifications:

- Bachelor of Science, Murdoch University (2001)
- Bachelor of Veterinary Medicine & Surgery, Murdoch University (2001)
- Master of Philosophy – Veterinary Pathology, Murdoch University (2006)

Other qualifications:

- Adjunct Lecturer for Murdoch University, School of Veterinary Science (2009)
- Member Australian & New Zealand College of Veterinary Scientists (Veterinary Pathobiology) (2009) – by examination.
- Member Australian & New Zealand College of Veterinary Scientists (Aquatic Animal Health) (2006) – by examination.
- Founding Member of the World Aquatic Veterinary Medical Association (2007)
- Diploma in Project Management – TAFE, Tasmania (2007)
- Certificate in Companion Animal Services – Aquatics, Level 3 – Nelson Marlborough Institute of Technology (2009)
- Chartered Member of the Australian Veterinary Association (2006)

EMPLOYMENT HISTORY

Aug 2002 - Present The Fish Vet VETERINARY CONSULTANT

- Provide diagnostic and medical services to clients with pet, retail and wholesale fish in Victoria (Boronia Aquarium), Western Australia (including AQWA) & to the Tai Lung Veterinary Laboratory in Hong Kong.
- Provide consultancy and biosecurity auditing services to aquaculture farms.
- Adjunct lecturer at Murdoch University and provide lectures and tutorials on aquatics to veterinary and biomedical students.
- Present talks relevant to fish health and medicine to veterinarians and aquarists: AVA Annual Conference on aquatic animal health (2003, 2004, 2005, 2006, 2007 & 2008), the Unusual and Exotic Pets Annual Conference (2004 & 2005), the New Zealand Companion Animal Conference (2008) and regular guest lecturer at Murdoch University (2007 to present) to veterinary students on aquatic animal health matters.

Career achievements: Published book entitled, "Fish Vetting Essentials". Adjunct lecturer at Murdoch University. Secretary for the Aquatic Animal Health Chapter of the ANZCVS. Chartered Member of the Australian Veterinary Association. Reduced mortalities at a retail store to <0.5%. Organised and developed a full-day training session for aquarium retailers and wholesalers on Aquatic Animal Health at the Pet Industry Association of Australia's (PIAA) National Pet Expo 2005, Sydney Olympic Park with very favourable results.

Feb 2002 – Jun 2007 Department of Primary Industries & Water VETERINARY PATHOLOGIST

- Stock inspector and provide diagnostic pathology service for a variety of aquatic species (finfish, shellfish & crustacea).
- Having passed the MANZCVSc exams in Aquatic Animal Health, I have demonstrated competence in aquaculture systems, water chemistry, aquatic biology, anatomy, physiology, epidemiology, applied nutrition, reproduction and genetics, aquatic toxicology, chemotherapeutics and animal welfare relevant to the investigation and management of aquatic animal disease risks.
- I have also undertaken several collaborative research projects including the "National Survey of Diseases in Australian Abalone" and "Devil Facial Tumour Disease".
- Presented talks relevant to diagnostic pathology to students, scientists and veterinarians at the ACVSc (Jul 2006), ASVP Conference (Apr 2003), AVA Conferences (2003-2006), Australian Wildlife Health Network AGM (Nov 2003), ANZSOM and AIMS (2006) on topics such as aquatic animal health, albatrosses and Devil Facial Tumour Disease.

Career achievements: Acquired MPhil, MANZCVSc and DipPM whilst working full-time. Played an integral part in the Devil Facial Tumour Disease (DFTD) project since its inception. My focus was to formulate a case definition. As for many other disease investigations in animals, this key initial step would determine the direction of many of the other research priorities and directions for future research and more importantly control of the disease.

PUBLICATIONS / PRESENTATIONS

PRESENTATIONS

1. **Loh R.** and Landos M. **Fish Vetting Essentials.** Richmond Loh Publishing, Perth 2011.
2. **Loh R.** **The world of aquatic parasites – Accurate diagnosis for treatment success.** in Unusual & Exotic Pets Session, Conference Proceedings, AVA Annual Conference 2008, May, Perth, Australia (CD).
3. **Loh R.** and Landos M. **All you wanted to know about fish welfare but were afraid to ask.** in Animal Welfare Session, Conference Proceedings, AVA Annual Conference 2008, May, Perth, Australia (CD).
4. **Loh R.** **Does it float or does it sink? A perennial problem with fancy goldfish.** in Aquatic Animal Health Session, Conference Proceedings, AVA Annual Conference 2007, May, Melbourne, Australia (CD).
5. **Loh R.** and Landos M. **Buying Australian fish for aquaria. The potential benefits for the home aquarist, the domestic industry and the environment - (plus a practical list of measures a home aquarist can do to limit the risk of introducing new diseases to their tanks).** In Unusual and Exotic Pets Group Session, Conference Proceedings, AVA Annual Conference 2007, May, Melbourne, Australia (CD).
6. Handler JH, Bastianello S, Callinan R, Carson J, Creeper J, Deveney M, Forsyth M, Freeman K, Hooper C, Jones B, Lancaster M, Landos M, **Loh R.**, Oyay BS, Phillips P, Pyecroft S and Stephens F. **Abalone Aquaculture Subprogram: A National Survey of Commercially Exploited Abalone Species to Support Trade and Translocation Issues and the Development of Health Surveillance Programs.** FRDC Project No. 2002/201, FRDC Final Report, May 2006.
7. **Loh R.** **History - The fish, or what happened? Insights into ornamental fish diseases.** Conference Proceedings, AVA Annual Conference 2006, May, Hobart, Tasmania (CD).
8. **Loh R.** and Landos M. **Ornamental fish welfare - making fish smile, sing and dance.** Conference Proceedings, AVA Annual Conference 2006, May, Hobart, Tasmania (CD).
9. Handler JH, Bastianello S, Carson J, Callinan R, Creeper J, Deveney M, Freeman K, Forsyth M, Hooper C, Jones B, Lancaster M, Landos M, **Loh R.**, Oyay BS, Phillips P, Pyecroft S and Stephens F. **Diseases Of Australian Abalone – Findings From A National Survey.** International Abalone Symposium, Chile, Feb 2006.
10. **Loh R.** **Preparation for the fish consultation, Common disease categories of fish, Goldfish and Discus care sheets.** In Fowler A. (Ed.). Proceedings for the Unusual and Exotic Pet Veterinarians Annual Conference of the Australian Veterinary Association, Rydges Hotel, Melbourne, pg 93-97, 22-23 Oct, 2005.
11. **Loh R.** **Reducing Losses in Aquaria.** Pet Expo, Pet Industry Association of Australia, Sydney Showgrounds, Sydney, Australia, 17 Oct 2005 (workshop).
12. Pyecroft S, Landos M, **Loh R.**, Chong R, Doroudi M, Herfort A and Go J. **Aquaculture Stream.** Australian Veterinary Association Annual Conference, Gold Coast, Queensland, Australia, May 2005.
13. **Loh R.** and Landos M. **Fish Vetting Essentials.** In Cannon MJ (Ed.). Proceedings for the First Annual Conference of the Unusual and Exotic Pet SIG of the Australian Veterinary Association, Mona Vale Conference Centre, pg 2-54, 13-14 Nov, 2004.
14. Handler JH, Callinan R, Creeper J, Lancaster M, Landos M, **Loh R.**, Phillips P, Pyecroft S and Stephens F. **A national survey of disease of commercially exploited abalone species – A move to advance both profit and sustainability.** In Australasian Aquaculture: Profiting from Sustainability, pg 153, Sept 26-29, 2004.
15. Bowater R, Pyecroft S, Hardy-Smith P, **Loh R.**, Whittington R, McColl K, Sampson I and Baldock C. **Ornamental Fish Health, Medicine and Surgery.** Australian Veterinary Association Annual Conference, Cairns Convention Centre, Queensland, Australia, May 2003.

MAGAZINE

Regular contributor to:

1. **Australian Aquarium Magazine**
2. **Your Pet Magazine**
3. **Pet Directory**
4. **Aquarium Keeper Australia**

ELECTRONIC

1. The Fish Vet's website at <http://www.thefishvet.com.au>
2. The Fish Vet's blog at <http://thefishvet.wordpress.com/>
3. A selection of fact sheets at <http://www.petalia.com.au>
4. Provide technical expertise during the development of the RSPCA's knowledge bank on fish: <http://kb.rspca.org.au/74/>

INVOLVEMENTS / PROFESSIONAL AFFILIATIONS

- **Oct 2011 – Present** Member of International Association for Aquatic Animal Medicine.
- **Sept 2011 – Present** Secretary, Aquatic Animal Health Chapter of the Australian & New Zealand College of Veterinary Scientists.
- **Jan 2009 – Present** Adjunct lecturer, Murdoch University.
- **Jul 2008 – Oct 2010** Treasurer for the Australian Society for Veterinary Pathologists.
- **Jul 2007 – Present** Founding Member of the World Aquatic Veterinary Medical Association.
- **Jul 2006 - Present** Member of the Australian & NZ College of Veterinary Scientists.
- **Mar 2004 – Feb 2007** Committee Member for the AVA, Tasmanian Division.
- **May 2003 - Present** Active member of the Australian Veterinary Association Special Interest Group for the Unusual and Exotic Pet Veterinarians.
- **Apr 2003 - Present** Member of the Australian Society of Veterinary Pathologists.
- **Mar 1997 - Present** Member of the Australian Veterinary Association.

REFEREES

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