

## PUBLICATIONS of RICK SPEARE

### RESEARCH

I have done applied research for 34 years in both human and veterinary fields with a particular focus on control of communicable diseases. I have particularly aimed to generate new evidence to assist in making better decisions to improve the health of human and animal populations in the tropics. I have done research in Australia, Papua New Guinea, Solomons, Tuvalu, New Zealand, Malawi, and South Africa.

### Publications

My aim with research has been to improve the health of humans and animals by undertaking relevant research and ensuring that the message is delivered clearly to the target audience. My current H-Index using Publish or Perish is 31.

### 2012

- Aitken P, Leggat PA, Harley H, **Speare R**, Leclercq M. Human resource issues and Australian Disaster Medical Assistance Teams: Results of a national survey of team members. *Emerging Health Threats Journal* 2012;5:18147. (7 pp) <http://dx.doi.org/10.3402/ehth.v5i0.18147>
- Aitken P, Leggat P, Harley H, **Speare R**, Leclercq M. Logistic support provided to Australian disaster medical assistance teams: results of a national survey of team members. *Emerging Health Threats Journal* 2012;5:9750.
- Aitken P, Leggat PA, Robertson AG, Harley H, **Speare R**, Leclercq MG. Leadership and use of standards by Australian Disaster Medical Assistance Teams: Results of a national survey of team members. *Prehospital and Disaster Medicine* 2012;1-6. (Epub ahead of print)
- Gaze S, McSorley HJ, Daveson J, Jones D, Bethony JM, Oliviera LM, **Speare R**, McCarthy JS, Engwerda CR, Croese J, Loukas A. Characterising the mucosal and systemic immune responses to experimental human hookworm infection. *PLoS pathogens* 2012;8(2):e1002520.
- Mendez D, Judd J, **Speare R**. Hendra virus pushing veterinarians out of equine practice. *Emerging Infectious Diseases* 2012;18(1):83-85.
- Parison J, Canyon D, **Speare R**. Head lice: the feelings people have. *International Journal of Dermatology* (in press 3 Aug 2011).
- Young S, Skerratt LF, Mendez D, **Speare R**, Berger L, Steele M. Using community surveillance data to differentiate between emerging and endemic amphibian diseases. *Diseases of Aquatic Organisms* 2012;98:1-10.
- Young S, **Speare R**, Berger L, Skerratt LF. Chloramphenicol with fluid and electrolyte therapy cures terminally ill green tree frogs (*Litoria caerulea*) with chytridiomycosis. *Journal of Zoo and Wildlife Medicine* 2012;43: (in press).
- Young S, Warner J, **Speare R**, Berger L, Skerratt LF, Muller R. Hematologic and plasma reference values for health monitoring of wild Australian tree frogs. *Veterinary Clinical Pathology* 2012; (in press).

### 2011

- Aitken P, Leggat PA, Robertson AG, Harley H, **Speare R**, Leclercq MG. Education and training of Australian Disaster Medical Assistance Team members: results of a national survey. *Prehospital and Disaster Medicine* 2011;26(1):41-48.
- Boon HJ, Brown LH, Tsey K, **Speare R**, Pagliano P, Usher K, Clark B. School disaster planning for children with disabilities: a critical review of the literature. *International Journal of Special Education* 2011;26(3):223-237.
- Callaway Z, Thomas A, Melrose W, Buttner P, **Speare R**. *Salmonella* Virchow and *Salmonella* Weltevreden in a random survey of the Asian House Gecko, *Hemidactylus frenatus*, in houses in northern Australia. *Vector Borne and Zoonotic Diseases* 2011;11(6):621-625.
- Daveson AJ, Jones DM, Gaze S, McSorley H, Clouston A, Pascoe A, Cooke S, **Speare R**, Macdonald GA, Anderson R, McCarthy JS, Loukas A, Croese J. Effect of hookworm infection on wheat challenge in celiac disease - a randomised double-blinded placebo controlled trial. *PLoS One*

- 2011;6(3):e17366.
- Heukelbach J, Sonnberg S, Becher H, Melo I, **Speare R**, Oliveira FA. Ovicidal effect of high concentration dimeticone: a new era of head lice treatment. *Journal of the American Academy of Dermatology* 2011;64(4):e61-62.
- Leggat PA, Brown LH, Aitken P, **Speare R**. Travel during pandemic (H1N1 2009) response. *Journal of Travel Medicine* 2011;18(1):70. (letter)
- Massey PD, Miller A, Saggars S, Durrheim DN, **Speare R**, Taylor K, Pearce G, Odo T, Broome J, Judd J, Kelly J, Blackley M, Clough A. Australian Aboriginal and Torres Strait Islander communities and the development of pandemic influenza containment strategies: Community voices and community control. *Health Policy* 2011;103(2-3):184-190. doi:10.1016/j.healthpol.2011.07.004
- Massey PD, Polkinghorne BG, Durrheim DN, Lower T, **Speare R**. Blood, guts and knife cuts: reducing the risk of swine brucellosis in feral pig hunters in north-west New South Wales, Australia. *Rural and Remote Health* 2011;11(4):1793.
- McSorley HJ, Gaze S, Daveson J, Jones D, Anderson RP, Clouston A, Ruysers NE, **Speare R**, McCarthy JS, Engwerda CR, Croese J, Loukas A. Suppression of inflammatory immune responses in celiac disease by experimental hookworm infection. *PLoS One* 2011;6(9):e24092.
- Murray KA, Retallick RWR, Puschendorf R, Skerratt LF, Rosauer D, McCallum HI, Berger L, **Speare R**, VanDerWal J. Assessing special patterns of disease risk to biodiversity: implications for the management of the amphibian pathogen, *Batrachochytrium dendrobatidis*. *Journal of Applied Ecology* 2011;48(1):163-173.
- Murray KA, Retallick RWR, Puschendorf R, Skerratt LF, Rosauer D, McCallum HI, Berger L, **Speare R**, VanDerWal J. Issues with modeling the current and future distribution of invasive pathogens. *Journal of Applied Ecology* 2011;48(1):177-180.
- Nowak M, Harrison SL, Buettner PG, Kimlin M, Porter D, Kennedy L, **Speare R**. Vitamin D status of adults from tropical Australia determined using two different laboratory assays: Implications for public health messages. *Photochemistry and Photobiology* 2011;87(4):935-943.
- Shaw S, **Speare R**, Lynn D, Yeates G, Zhao Z, Berger L, Jakob-Hoff R. Nematode and ciliate nasal infection in captive Archey's frogs (*Leiopelma archeyi*). *Journal of Zoo and Wildlife Medicine* 2011;42(3):473-479.
- Skerratt LF, Mendez D, McDonald KR, Garland S, Livingstone J, Berger L, **Speare R**. Validation of diagnostic tests in wildlife: the case of chytridiomycosis in wild amphibians. *Journal of Herpetology* 2011;45(5):444-450.
- Skerratt LF, **Speare R**, Berger L. Mitigating the impact of diseases affecting biodiversity – Retrospective on the outbreak investigation for chytridiomycosis. *EcoHealth* 2011;7(S1):S26-S26 (conference abstract)
- Zeldenryk LM, Gray M, **Speare R**, Gordon S, Melrose W. The emerging story of disability associated with lymphatic filariasis: a critical review. *PLoS Neglected Tropical Diseases* 2011;5(2):e1366.

## 2010

- Aitken P, Leggat PA, Brown LH, **Speare R**. Preparedness for short-term isolation among Queensland residents: Implications for pandemic and disaster planning. *Emerging Medicine Australasia* 2010 Aug 17 epub ahead of print.
- Asenov A, Oliveira FA, **Speare R**, Liesenfeld O, Hengge UR, Heukelbach J. Efficacy of chemical and over-the-counter pediculicides available in Brazil, and off-label treatments against head lice *ex vivo*. *International Journal of Dermatology* 2010;49:324-330.
- Berger L, **Speare R**, Pessier A, Voyles J, Skerratt LF. Treatment of chytridiomycosis requires urgent clinical trials. *Diseases of Aquatic Organisms* 2011;92(2-3):165-174.
- Brown LH, Aitken P, Leggat PA, **Speare R**. Self-reported anticipated compliance with physician advice to stay home during pandemic (H1N1) 2009: Results from the 2009 Queensland Social Survey. *BMC Public Health* doi:10.1186/1471-2458-10-138.
- Canyon DV, Heukelbach J, Shaalan E, **Speare R**. Piperonyl butoxide. Volume 2: Section 3; Part 7 in Kucer The Use of Antibiotics 6<sup>th</sup> Eds. Grayson JM, McCarthy J, Mouton J, Crowe S, Paterson D, Pfaller MA, Grayson L, Kucers A, Norrby R. Hodder Arnold:UK 2010;2306-2309.
- Canyon D, **Speare R**. Head lice transmission and risk factors. Chapter 3.1 in: Heukelbach J: Management and control of head lice infestations. UNI-MED Verlag AG, Bremen, London, Boston 2010;34-40.
- Canyon D, **Speare R**, Heukelbach J. "Natural" treatments and home remedies. Chapter 6.7 in: Heukelbach J: Management and control of head lice infestations. UNI-MED Verlag AG, Bremen,

- London, Boston. 2010;76-81.
- Canyon D, **Speare R**, Heukelbach J. Internet links and additional resources. Chapter 12 in: Heukelbach J: Management and control of head lice infestations. UNI-MED Verlag AG, Bremen, London, Boston 2010;137-139.
- Eastwood K, Durrheim D, Merritt T, Massey PD, Huppatz C, Dalton C, Hope K, Moran L, **Speare R**, Farrar K. Filed exercises are useful for improving public health emergency responses. *Western Pacific Surveillance and Response* 2010;1:1-7.
- Heukelbach J, Canyon DV, Shaalan E, **Speare R**. Crotamiton. Volume 2: Section 3; Part 7 in Kucer The Use of Antibiotics 6<sup>th</sup> Eds. Grayson JM, Mccarthy J, Mouton J, Crowe S, Paterson D, Pfaller MA, Grayson L, Kucers A, Norrby R. Hodder Arnold:UK 2010;2325-2331.
- Heukelbach J, Speare R. Control of head lice in developed market economies. Chapter 9.1 in: Heukelbach J: Management and control of head lice infestations. UNI-MED Verlag AG, Bremen, London, Boston 2010;116-119.
- Heukelbach J, **Speare R**, Shaalan E, Canyon DV. Lindane. Volume 2: Section 3; Part 7 in Kucer The Use of Antibiotics 6<sup>th</sup> Eds. Grayson JM, Mccarthy J, Mouton J, Crowe S, Paterson D, Pfaller MA, Grayson L, Kucers A, Norrby R. Hodder Arnold:UK 2010:2310-2317.
- Heukelbach J, **Speare R**, Ramos AN. General considerations on treatments and treatment schemes. Chapter 6.13 in: Heukelbach J: Management and control of head lice infestations. UNI-MED Verlag AG, Bremen, London, Boston 2010;97-101.
- Hunter DA, **Speare R**, Marantelli G, Mendez D, Pietsch R, Osborne W. Presence of the amphibian chytrid fungus, *Batrachochytrium dendrobatidis*, in threatened corroboree frog populations in the Australia Alps. *Diseases of Aquatic Organisms Special edition 4 Chytridiomycosis: an emerging disease.* 2010;92:209-216. doi: 10.3354/dao02118.
- Hyatt AD, **Speare R**, Cunningham AA, Carey C. Amphibian chytridiomycosis. *Diseases of Aquatic Organisms. Special edition 4 Chytridiomycosis: an emerging disease.* 2010;92:89-91.
- Mendez D, Freeman A, Spratt D, **Speare R**. Pathology of cutaneous trombidiosis due to larval trombiculid mites in a wild Lesueur's tree frog, *Litoria wilcoxii*. *Australian Veterinary Journal* 2010;88:328-330.
- Murray K, Retallick R, McDonald KR, Mendez D, Aplin K, Kirkpatrick P, Berger L, Hunter D, Hines HB, Campbell R, Pauza M, Driessen M, **Speare R**, Richards SJ, Mahony M, Freeman A, Phillott AD, Hero J-M, Driscoll D, Puschendorf R, Skerratt LF. The distribution and host range of the pandemic disease chytridiomycosis in Australia spanning surveys from 1956 to 2007. *Ecology* 2010;91:1557.
- Parison J, Canyon D, **Speare R**. Head lice and the impact of knowledge, attitudes and practices - a social science overview. Chapter 7 in: Heukelbach J: Management and control of head lice infestations. UNI-MED Verlag AG, Bremen, London, Boston 2010;104-109.
- Phillott AD, **Speare R**, Hines HB, Meyer E, Skerratt LF, McDonald KR, Cashins S, Berger L, Mendez D. Minimising exposure of amphibians to pathogens during field studies. *Diseases of Aquatic Organisms Special 4: Chytridiomycosis: an emerging disease.* 2010;92:175-185. doi 10.3354/dao02162.
- Redman-MacLaren ML, MacLaren DJ, Asugeni R, Fa'anuabae CE, Harrington H, Muse A, **Speare R**, Clough AR. "We can move forward": challenging historical inequity in public health research in Solomon Islands. *International Journal for Equity in Health* 2010;9:25. Doi:10.1186/1475-9276-9-25
- Redman-MacLaren ML, MacLaren DJ, Solomon J, Muse A, Asugeni R, Harrington H, Ketuabata E, **Speare R**, Clough AR. Research workshop to research work: initial steps in establishing health research systems on Malaita, Solomon Islands. *Health Research Policy and Systems* 2010;8:33. Doi:10.1186/1478-4505-8-33
- Schloegel LM, Daszak P, Cunningham AC, **Speare R**, Hill B. Two amphibian diseases, chytridiomycosis and ranaviral disease, are now globally notifiable to the World Organization for Animal Health (OIE). *Diseases of Aquatic Organisms Special 4: Chytridiomycosis: an emerging disease.* 2010;92:101-108. doi 10.3354/dao02140.
- Shaalan E, Canyon DV, Heukelbach J, **Speare R**. Malathion. Volume 2: Section 3; Part 7 in Kucer The Use of Antibiotics 6<sup>th</sup> Eds. Grayson JM, Mccarthy J, Mouton J, Crowe S, Paterson D, Pfaller MA, Grayson L, Kucers A, Norrby R. Hodder Arnold:UK 2010;2318-2324.
- Shaw SD, Bishop PJ, Berger L, Skerratt LF, Garland S, Gleeson DM, Haigh A, Herbert S, **Speare R**. Experimental infection of self-cured *Leiopelma archeyi* with the amphibian chytrid,

- Batrachochytrium dendrobatidis*. Diseases of Aquatic Organisms Special 4: Chytridiomycosis: an emerging disease. 2010;92:150-163. doi 10.3354/dao02227
- Skerratt LF, McDonald KR, Mendez D, Berger L, Hines HB, Phillott AD, Cashins SC, Murray K, **Speare R**. Application of the survey protocol for chytridiomycosis to Queensland, Australia. *Diseases of Aquatic Organisms* Special 4: Chytridiomycosis: an emerging disease. 2010;92:117-129. Doi: 10.3354/dao02272
- Smith D, Leggat P, **Speare R**. The latest endangered species in Australia: A tobacco-smoking veterinarian. *Australian Veterinary Journal* 2010;88(9):369-370.
- Speare R**, Canyon DV, Heukelbach J, Shaalan E. Permethrin. Volume 2: Section 3; Part 7 in Kucer The Use of Antibiotics 6<sup>th</sup> Eds. Grayson JM, Mccarthy J, Mouton J, Crowe S, Paterson D, Pfaller MA, Grayson L, Kucers A, Norrby R. Hodder Arnold:UK 2010;2299-2305.

## 2009

- Aitken P, Leggat P, Robertson A, Harley H, **Speare R**, Leclercq M. Pre and post deployment health support provided to Australian Disaster Medical Assistance Team members: Results of a national survey. *Travel Medicine and Infectious Disease* 2009;7:305-311.
- Aitken P, Leggat PA, Robertson A, Harley H, **Speare R**, LeClerq M. Health and safety aspects of deployment of Australian Disaster Medical Assistance Team members: Results of a national survey. *Travel Medicine and Infectious Disease* 2009;7:284-290.
- Berger L, Longcore JE, **Speare R**, Hyatt AD, Skerratt LF. Fungal Diseases in Amphibians. In: Decline and Conservation of Amphibians. H. Heatwole (Ed). Surrey Beatty & Sons, Chipping Norton, Australia 2009:2986-3052.
- Berger L, Skerratt LF, Zhu XQ, Young S, **Speare R**. Severe sparganosis in Australian tree frogs. *Journal of Wildlife Diseases* 2009;45(4):921-929.
- Berger L, **Speare R**, Marantelli G, Skerratt LF. A zoospore inhibition technique to evaluate the activity of antifungal compounds against *Batrachochytrium dendrobatidis* and unsuccessful treatment of experimentally infected green tree frogs (*Litoria caerulea*) by fluconazole and benzalkonium chloride. *Research in Veterinary Science* 2009; 87(1):106-110.
- Bishop PJ, **Speare R**, Poulter R, Butler M, Speare BJ, Hyatt A, Olsen V, Haigh A. Elimination of chytridiomycosis by Archey's frog *Leiopelma archeyi*. *Diseases of Aquatic Organisms* 2009;84:9-15.
- Clemas RJ, Germano JM, **Speare R**, Bishop P. Use of three individual marking methods in Australian frogs (Genus: *Litoria*) with notes on placement of Visible Implant Alphanumeric tags. *New Zealand Natural Sciences* 2009;34:1-7.
- Counahan M, Walsh H, **Speare R**. Head lice as an OHS risk to primary school teachers in Australia. *Journal of Occupational Health and Safety* 2009;25(6):477-481.
- Daveson AJM, Jones D, Mccorley H, Gaze S, Mccarthy J, Clouston A, Pascoe A, Macdonald G, **Speare R**, Anderson R, Loukas A, Croese J. A phase 2A randomized double blinded placebo controlled study evaluating immunity and gluten sensitivity by inoculating coeliac disease patients with the human hookworm *Necator americanus*. *Journal of Gastroenterology and Hepatology* 2009;24:A221-A222.
- Eastwood K, Durrheim D, Francis JL, d'Espaignet ET, Duncan S, Islam F, **Speare R**. Public understanding of pandemic influenza, compliance with containment measures and the value of an inter-pandemic communication strategy. *Bulletin of the World Health Organization* 2009;87(8):588-594.
- Hemmingway V, Brunner J, **Speare R**, Berger L. Viral and bacterial diseases in amphibians. In: Amphibian Biology Volume 8 Amphibian Decline: Diseases, Parasites, Maladies and Pollution. Edited by H Heatwole, JW Wilkinson. Surrey Beattie & Sons, NSW 2009:2986-3052.
- Harrison S, Nowak M, Buettner PG, Kimlin M, Porter D, Kennedy RL, **Speare R**. Public health and clinical dilemmas resulting from imprecise vitamin D tests. *Journal of Rural and Tropical Public Health* 2009;8:52-58.
- Leggat PA, Smith DR, **Speare R**. Hand dermatitis among veterinarians from Queensland, Australia. *Contact Dermatitis* 2009;60(6):336-338.
- Leggat PA, Smith DR, **Speare R**. Exposure rate of needlestick and sharps injuries among Australian veterinarians. *Journal of Occupational Medicine and Toxicology* 2009;4:25 doi:10.1186/1745-6673-4-25
- Leggat PA, **Speare R**, Aitken P. Swine flu and travelers: an Australian perspective. *Journal of Travel Medicine* 2009;16(6):373-376.

- Massey PD, Miller A, Durrheim DN, **Speare R**, Siggers S, Eastwood K. Pandemic influenza containment and the cultural and social context of Indigenous communities. *Journal of Rural and Remote Health* 2009;9:1179.
- Miller A, **Speare R**. Chapter 12: Health care for Indigenous Australians. In; Willis E, Reynolds L. (eds) *Understanding the Australian Health Care System*. Elsevier: Australia. 2009. Pp 131-142
- Murray K, Skerratt LF, **Speare R**, McCallum H. Impact and dynamics of disease in species threatened by the amphibian chytrid fungus, *Batrachochytrium dendrobatidis*. *Conservation Biology* 2009;23(5):1242-1252.
- Smith DR, Leggat PA, **Speare R**. Musculoskeletal disorders and psychosocial risk factors among veterinarians in Queensland, Australia. *Australian Veterinary Journal* 2009;87(7):260-265.
- Smith DR, Leggat PA, **Speare R**, Townley-Jones M. Examining the dimensions and correlates of workplace stress among Australian veterinarians. *Journal of Occupational Medicine and Toxicology* 2009;4:32 (doi:10.1186/1745-6673-4-32)
- Voyles J, Young S, Berger L, Campbell C, Voyles WF, Dinudom A, Cook D, Webb R, Alford RA, Skerratt LF, **Speare R**. Pathogenesis of chytridiomycosis, a cause of catastrophic amphibian declines. *Science* 2009;326(5952):582-585.
- Whitehall JS, **Speare R**, Best HE, Price PJ, Mills DJ. A maggoty scalp. *Medical Journal of Australia* 2009;190(12):717-718.
- Yang H, Baek H, **Speare R**, Webb R, Park S, Kim T, Lasater KC, Shin S, Son S, Park J, Min M, Kim Y, Na K, Lee H, Park S. First detection of the amphibian chytrid fungus, *Batrachochytrium dendrobatidis*, in free-ranging populations of amphibians on mainland Asia: survey in South Korea. *Diseases of Aquatic Organisms* 2009;86:9-13.

## 2008

- Boon VA, Munro JL, Kan GW, Burnell J, **Speare R**. Seroreactivity against streptococcal DRS (distantly related to SIC) protein is a predictor for end-stage renal failure. *Clinical Vaccine Immunology* 2008;15:1699-1704.
- Hanson D, Hanson J, Vardon P, McFarlane K, **Speare R**, Durrheim D. Documenting the development of social capital in a community Safety Promotion Network: It's not what you know but who you know. *Health Promotion Journal of Australia* 2008;19(2):144-151.
- Heukelbach J, Canyon DV, Oliveira FA, Muller R, **Speare R**. *In vitro* efficacy of over-the-counter botanical pediculicides against the head louse *Pediculus humanus var capitis* based on a stringent standard for mortality assessment. *Journal of Medical and Veterinary Entomology* 2008;22:264-272.
- Mendez D, Webb R, Berger L, **Speare R**. Survival of the amphibian chytrid fungus, *Batrachochytrium dendrobatidis*, on bare hands and gloves: hygiene implications for amphibian handling. *Diseases of Aquatic Organisms* 2008;82:97-104.
- Miller A, **Speare R**. Chapter 12: Health care for Indigenous Australians. 131-142. In; Willis E, Reynolds L. (eds) *Understanding the Australian Health Care System*. Elsevier : Australia. 2008.
- Parison J, **Speare R**, Canyon DV. Uncovering family experiences with head lice: the difficulties of eradication. *Open Dermatology Journal* 2008;2:9-17.
- Pattison D, **Speare R**. Strongyloidiasis in participants of the Regional Assistance Mission to Solomon Islands (RAMSI). *Medical Journal of Australia* 2008;189: 203-206.
- Phillott AD, Skerratt LF, McDonald KR, Lemckert FL, Hines HB, Clarke JM, Alford RA, **Speare R**. Toe clipping of anurans for mark-recapture studies: Acceptable if justified. That's what we said! *Herpetological Review* 2008;39:149-150.
- Skerratt LF, Berger L, Hines HB, McDonald KR, Mendez D, **Speare R**. Survey protocol for detecting chytridiomycosis in all Australian frog populations. *Diseases of Aquatic Organisms* 2008;80:85-94.
- Speare R**, Melrose W, Cooke S, Croese J. Techniques to kill infective larvae of human hookworm, *Necator americanus*, in the laboratory and a new Material Safety Data Sheet. *Australian Journal of Medical Science* 2008;29:91-96.
- Spratt DM, Beveridge I, Skerratt LF, **Speare R**. Appendix 2: Guide to the identification of common endo- and ecto-parasites of Australian mammals. In: *Medicine of Australian Mammals*. Vogelnest L, Woods R. (eds). Pp. 639-658. CSIRO Publishing, Collingwood.
- Ugbomoiko US, **Speare R**, Heukelbach J. Self-diagnosis of head lice infestation in rural Nigeria as a reliable rapid assessment tool for pediculosis. *Open Dermatology Journal* 2008;3:95-97.

## 2007

- Canyon DV, **Speare R**. Do head lice spread in swimming pools? *International Journal of Dermatology* 2007;46(11):1211-1213.
- Canyon DV, **Speare R**. A comparison of botanical and synthetic substances commonly used to prevent head lice (*Pediculus humanus* var. *capitis*) infestation. *International Journal of Dermatology* 2007;46:422-426.
- Counahan M, Andrews R, Weld H, Walsh W, **Speare R**. What parents in Australia know and do about pediculosis. *Rural and Remote Health* 2007;7:687.
- Felger J, Enssle J, Mendez D, **Speare R**. Chytridiomycosis in El Salvador. *Salamandra* 2007; 43(2):122-127.
- Hill B, Cunningham A, Daszak P, **Speare R**. Report of the meeting of the *ad hoc* group on amphibian diseases, Paris, 5-7 September 2007. Annex XIX in World Organisation for Animal Health (OIE). Report of the Meeting of the Aquatic Animal Health Commission, Paris, 1-5 October 2007:177-216.
- Heukelbach J, Canyon D, **Speare R**. The effect of natural products on head lice: In vitro tests and clinical evidence. *Journal of Pediatric Infectious Diseases* 2007;2:1-10.
- Leggat PA, Mills D, **Speare R**. Hostellers' knowledge of transmission and prevention of avian influenza when travelling abroad. *Travel Medicine and Infectious Disease* 2007;5:53-56.
- Leggat PA, Mills D, **Speare R**. Level of concern and sources of information of a group of Brisbane hostellers for personal safety and terrorism when traveling abroad. *Journal of Travel Medicine* 2007;14(2):112-116.
- Massey P, Durrheim D, **Speare R**. Inadequate chemoprophylaxis and the risk of malaria in Australians on the Kokoda Trail, Papua New Guinea. *Australian Family Physician* 2007;36(12):1058-1060.
- Oliveira FAS, **Speare R**, Heukelbach J. High in vitro efficacy of Nyda® L, a pediculicide containing dimeticone. *Journal of the European Academy of Dermatology and Venereology* 2007;21:1325-1329.
- Rowley JLL, Chan SKF, Tang WS, **Speare R**, Skerratt LF, Alford RA, Cheung KS, Ho CY, Campbell R. Survey for the amphibian chytrid *Batrachochytrium dendrobatidis* in Hong Kong in native amphibians and in the international amphibian trade. *Diseases of Aquatic Organisms* 2007;78:87-95.
- Skerratt LF, Berger L, **Speare R**, Cashins S, McDonald KR, Phillott AD, Hines HB, Kenyon N. Spread of chytridiomycosis has caused the rapid global decline and extinction of frogs. *EcoHealth* 2007; 4(2):125-134.
- Speare R**, Canyon DV, Cahill C, Thomas G. Comparative efficacy of two nit combs in removing head lice (*Pediculus humanus* var. *capitis*) and their eggs. *International Journal of Dermatology* 2007;46(12):1275-1278.
- Voyles J, Berger L, Young S, **Speare R**, Webb R, Warner J, Rudd D, Campbell R, Skerratt LF. Electrolyte depletion and osmotic imbalance in amphibians with chytridiomycosis. *Diseases of Aquatic Organisms* 2007;77:113-118.
- Webb R, Mendez D, Berger L, **Speare R**. Additional disinfectants effective against the amphibian chytrid fungus *Batrachochytrium dendrobatidis*. *Diseases of Aquatic Organisms* 2007;74:13-16.
- Young S, Berger L, **Speare R**. Amphibian chytridiomycosis: strategies for captive management and conservation. *International Zoo Yearbook* 2007;41:85-95.

## 2006

- Burkot TR, Durrheim D, Melrose WD, **Speare R**, Ichimori K. The argument for integrating vector control with multiple drug administration campaigns to ensure elimination of lymphatic filariasis. *Filaria Journal* 2006;5(10):doi:10.1186/1475-2883-5-10.
- Croese J, O'Neil J, Masson J, Cooke S, Melrose W, Pritchard D, **Speare R**. A proof of concept study establishing *Necator americanus* in Crohn's patients and reservoir donors. *Gut* 2006;55:136-137.
- Croese J, **Speare R**, Wood M, Melrose W. Allergy controls the population density of *Necator americanus* in the small intestine. *Gastroenterology* 2006;131(2):402-409.
- Croese J, **Speare R**. Intestinal allergy expels hookworms: seeing is believing. *Trends in Parasitology* 2006;22(12):547-550.
- Department of Environment and Heritage. Threat Abatement Plan for infection of amphibians with chytrid fungus resulting in chytridiomycosis. i) Threat Abatement Plan. ii) Background Document. Australian Government Department of Environment and Heritage; Canberra. 2006. (R. Speare was consultant

- and principal author with Lee Berger.)
- Durrheim DN, Muller R, Saunders V, **Speare R**, Lowe J. Would Australian general practice be the first point of contact during an anthrax bioterrorism event? *Australian Family Physician* 2006;36(1):172-174.
- Hawkes AL, Nowak M, Bidstrup B, **Speare R**. Outcomes of coronary artery bypass graft surgery. *Vascular Health and Risk Management* 2006;2(4):477-484.
- Heukelbach J, Araújo Sales de Oliveira S, **Speare R**. A shampoo based on neem (*Azadirachta indica*) is highly effective against head lice in vitro. *Parasitology Research* 2006;99:353-356.
- Heukelbach J, Kuenzer M, Counahan M, Feldmeier H, **Speare R**. Correct diagnosis of current head lice infestation made by affected individuals from a hyperendemic area. *International Journal of Dermatology* 2006;45:1437-1438.
- Heukelbach J, **Speare R**, Canyon D. Natural products and their application to the control of head lice: An evidence-based approach. Chapter 7. In G Brahmachari (ed). *Chemistry of Natural Products: Recent Trends and Developments*. Research Signpost: Kerala, India. 2006;1-26.
- Nelesone T, Durrheim DN, **Speare R**, Kiedrzyński T, Melrose WD. Strengthening sub-national communicable disease surveillance in a remote Pacific Island Country by adapting a successful African outbreak surveillance model. *Tropical Medicine and International Health* 2006;11(1):17-21.
- Nowak M, Buttner P, Harrison S, Daniell K, Raasch B, **Speare R**. Effectiveness of lifestyle measures in the treatment of gastroesophageal reflux disease – a case series. *Therapeutics and Clinical Risk Management* 2006;2(3):x-4. (in proof)
- Schoegel LM, Hero JM, Berger L, **Speare R**, McDonald K, Daszak P. The decline of the sharp-snouted day frog (*Taudactylus acutirostris*): The first documented case of extinction by infection in a free-ranging wildlife species? *EcoHealth* 2006;3:35-40.
- Speare R**, Canyon D, Melrose W. Quantification of blood intake of the head louse, *Pediculus humanus capitis*. *International Journal of Dermatology* 2006;45:543-546.
- Speare R**, Latasi FF, Nelesone T, Harmen S, Melrose W, Durrheim D, Heukelbach J. Prevalence of soil transmitted nematodes on Nukufetau, a remote Pacific island in Tuvalu. *BioMedCentral Infectious Diseases* 2006;6:110. doi:10.1186/1471-2334-6-110

## 2005

- Barnett FI, Durrheim DM, **Speare R**, Muller R. Management of Irukandji syndrome in northern Australia. *Rural and Remote Health* 2005;5:365 (online)
- Berger L, Hyatt AD, **Speare R**, Longcore JE. Life cycle stages of *Batrachochytrium dendrobatidis* Longcore et al. 1999, the amphibian chytrid. *Diseases of Aquatic Organisms* 2005;68:51-63.
- Berger L, Marantelli G, Skerratt LF, **Speare R**. Virulence of the amphibian chytrid fungus, *Batrachochytrium dendrobatidis*, varies with the strain. *Diseases of Aquatic Organisms* 2005; 68:47-50.
- Berger L, **Speare R**, Skerratt L. Distribution of *Batrachochytrium dendrobatidis* and pathology in the skin of green tree frogs (*Litoria caerulea*) with severe chytridiomycosis. *Diseases of Aquatic Organisms* 2005;68:65-70.
- Counahan M, Andrews R, **Speare R**. Reliability of written parental reports of head lice in their children. *Medical Journal of Australia* 2005;182 (3):137-138.
- Durrheim D, Muller R, Saunders V, **Speare R**, Lowe J. Australian Public and Smallpox. *Emerging Infectious Diseases* 2005;11(11):1748-1750.
- Johnston FH, Morris PS, **Speare R**, McCarthy J, Currie B, Ewald D, Page W, Dempsey K. Strongyloidiasis: A review of the evidence for Australian practitioners. *Australian Journal of Rural Health* 2005;13:247-254.
- Johnson ML, **Speare R**. Possible modes of dissemination of the amphibian chytrid, *Batrachochytrium dendrobatidis*, in the environment. *Diseases of Aquatic Organisms* 2005;65:181-186.
- McDonald KR, Méndez D, Müller R, Freeman AB, **Speare R**. Decline in the prevalence of chytridiomycosis in upland frog populations in North Queensland, Australia. *Pacific Conservation Biology* 2005;11(2):114-120.
- Speare R**, Skerratt L, Berger L, Hines H, Hyatt A, Mendez, McDonald K, Hero JM, Marantelli G, Muller R, Alford R, Woods R. A project that designs and trials a pilot survey to map the distribution of chytridiomycosis (caused by the amphibian chytrid fungus) in Australian frogs. Department of Environment and Heritage: Canberra. 2005. Online at:

<http://www.deh.gov.au/biodiversity/invasive/publications/c-disease/distribution-survey.html>.  
Webb R, Berger L, Mendez D, **Speare R**. MS-222 (tricaine methane sulfonate) does not kill the amphibian chytrid fungus *Batrachochytrium dendrobatidis*. *Diseases of Aquatic Organisms* 2005;68:89-90.

## 2004

- Barnes J, Warner J, Melrose W, Durrheim D, **Speare R**, Reeder J, Ketheesan N. Adaptive immunity in melioidosis: a possible role for T cells in determining outcome of infection with *Burkholderia pseudomallei*. *Clinical Immunology* 2004;113(1):22-28.
- Berger L, **Speare R**, Hines HB, Marantelli G, Hyatt AD, Olsen V, McDonald KR, Clarke J, Gillespie G, Mahony M, Sheppard N, Williams C, Tyler M. Effect of season and temperature on mortality in amphibians due to chytridiomycosis. *Australian Veterinary Journal* 2004;82(7):434-439.
- Berger L, **Speare R**, Middleton D. A squamous cell carcinoma and an adenocarcinoma in Australian tree frogs. *Australian Veterinary Journal* 2004;82:88-90.
- Counahan M, Andrews R, Büttner P, Byrnes G, **Speare R**. Head lice prevalence in primary schools in Victoria, Australia. *Journal of Pediatrics and Child Health* 2004;40(11):616-619.
- Durrheim DN, **Speare R**. Communicable disease surveillance and management in a globalised world. *Lancet* 2004;363(9418):1339-1340.
- Durrheim DN, **Speare R**, Ogunbanjo GA. Elimination programs: monitoring the effectiveness of surveillance. *Journal of Infectious Diseases* 2004;190:2195-2196.
- Marantelli G, Berger L, **Speare R**, Keegan L. Changes in distribution of *Batrachochytrium dendrobatidis* and keratin during tadpole development leading to high mortality after metamorphosis. *Pacific Conservation Biology* 2004;10(1):173-179.
- Retallick RWR, McCallum H, **Speare R**. Endemic infection of the amphibian chytrid fungus in a frog community post-decline. *PLoS Biology* 2004;2(11):e351. (online at <http://biology.plosjournals.org/plosonline/>).
- Speare R**, Durrheim D. Mass treatment with ivermectin: an underutilized public health strategy. *Bulletin of the World Health Organization* 2004;8:562.
- Speare R**, Durrheim D. Strongyloides serology – useful for diagnosis and management of strongyloidiasis in rural Indigenous populations, but important gaps in knowledge remain. *Rural and Remote Health* 2004;4:264 (online at <http://rrh.deakin.edu.au>)
- Speare R**, Skerratt LF, Berger L, Johnson PM. Toxic effects of mebendazole at high dose on the haematology of red-legged pademelons (*Thylogale stigmatica*). *Australian Veterinary Journal* 2004; 82(5):300-303.
- Weldon C, Du Preez L, Hyatt A, Muller R, **Speare R**. Origin of the amphibian chytrid fungus. *Emerging Infectious Diseases* 2004;10(12):2100-2105.

## 2003

- Adams M, Page W, **Speare R**. Strongyloidiasis: an issue in Aboriginal communities. *Rural and Remote Health* 2003;3, online available from <http://rrh.deakin.edu.au>.
- Bonaccorso E, Guayasamin JM, Méndez D, **Speare R**. Chytridiomycosis in a Venezuelan amphibian (Bufonidae: *Atelopus cruciger*). *Herpetological Review* 2003;34(4):331-334.
- Durrheim DN, Nelesone T, **Speare R**, Melrose W. Certifying lymphatic filariasis elimination in the Pacific – the need for new tools. *Pacific Health Dialogue* 2003;10:149-154.
- Durrheim DN, **Speare R**. Global leprosy elimination: time to change more than the elimination target date. *Journal of Epidemiology and Community Health* 2003;57(5):316-317.
- Durrheim DN, Williams HA, Barnes K, **Speare R**, Sharp BL. Beyond evidence: a retrospective study of factors influencing a malaria treatment policy change in two South African Provinces. *Critical Public Health* 2003;13(4):309-330.
- Govere JM, **Speare R**, Durrheim DN. The prevalence of pediculosis in rural South African schoolchildren. *South African Journal of Science* 2003;99:21-23.
- Hawkes A, Nowak M, **Speare R**. Short form - 36. Health survey as an evaluation tool for cardiac rehabilitation programs: is it appropriate? *Journal of Cardiopulmonary Rehabilitation* 2003;23(1):22-25.
- Johnson M, Berger L, Philips L, **Speare R**. Fungicidal effects of chemical disinfectants, UV light, desiccation and heat on the amphibian chytrid *Batrachochytrium dendrobatidis*. *Diseases of Aquatic Organisms* 2003;57:255-260.



- Johnson M, **Speare R**. Survival of *Batrachochytrium dendrobatidis* in water: quarantine and disease control implications. *Emerging Infectious Diseases* 2003;9(8):922-925.
- Leggat PA, Speare R. Trends in antimalarial drugs prescribed in Australia 1992 to 1998. *Journal of Travel Medicine* 2003;10(3):189-191.
- Leggat PA, **Speare R**, Durrheim DN. Professional doctorates in public health: Contributing towards workforce specialisation and the knowledge economy. *Focus on Health Professional Education* 2004;5(2):14-22.
- Nelesone T, Durrheim DN, **Speare R**. Tuvulu Outbreak Manual. Warwick Educational Publishing, Killarney, Australia. 2003.
- Speare R**, Durheim DN, Ogunbanjo GA, Edginton ME, Harris BN. An effective training strategy for communicable disease control nurses. *African Journal of Nursing and Midwifery*. 2003;5(1):50-56.
- Speare R**, Cahill C, Thomas G. Head lice on pillows and strategies to make a small risk even less. *International Journal of Dermatology* 2003;42:626-629.

## 2002

- Canyon DV, **Speare R**, Müller R. Spatial and kinetic factors for the transfer of head lice (*Pediculus capitis*) between hairs. *Journal of Investigative Dermatology* 2002; 119(3):629-31.
- Canyon DV, **Speare R**, Naumann I, Winkel K. Environmental and economic costs of invertebrate invasions in Australia. In: *Biological Invasions: Economic and Environmental Costs of Alien Plant, Animal, and Microbe Species*, Pimentel D (Ed). CRC Press, Boca Raton, 2002;45-66. ISBN 0-8493-0836-4.
- Durrheim DN, Fourie A, Balt E, Balt E, Le Roux M, Harris BN, Matebula M, De Villiers M, Speare R. Leprosy in Mpumalanga Province, South Africa - eliminated or hidden? *Leprosy Review* 2002;73(4):326-333.
- Durrheim DN, **Speare R**, Billinghamur K, Reuch MR. Cholera – the role of catheters, confidential inquiries and early response. *South African Medical Journal* 2002;92:597-599.
- Durrheim DN, **Speare R**, Harries AD. Research that influences policy and practice: characteristics of operational research to improve malaria control in Mpumalanga Province, South Africa. *Malaria Journal* 2002;1:9. Online peer-reviewed journal at <http://www.malariajournal.com/content/1/1/9>.
- Durrheim DN, **Speare R**, Petzer M. Rabies post-exposure management in South Africa: a telephonic survey used as a rapid tool for operational research. *Tropical Medicine and International Health* 2002;7:459-461.
- Leggat PA, **Speare R**, Silva D, Williams W, Kedjarune U. Ch. 9. Travelling with children. In: *Primer of Travel Medicine*. 3<sup>rd</sup> Ed. Leggat PA, Goldsmid JM (Eds). ACTM Publications, Brisbane. 2002;113-119. ISBN 0-9578717-5-9.
- Mngomezulua N, Govere JM, Durrheim DN, **Speare R**, Viljoenc L, Appleton C, Booman M. Burden of schistosomiasis and soil-transmitted helminth infections in primary school children in Mpumalanga, South Africa, and implications for control. *South African Journal of Science* 2002;98(11/12):607-610.
- Speare R**, Goldsmid JM, Leggat PA. Ch. 19. Post-travel check-up. In: *Primer of Travel Medicine*. 3<sup>rd</sup> Ed. Leggat PA, Goldsmid JM (Eds). ACTM Publications, Brisbane. 2002;223-232. ISBN 0-9578717-5-9.
- Speare R**, Thomas G, Cahill C. Head lice are not found on floors in primary school classrooms. *Australian and New Zealand Journal of Public Health* 2002;26(3):208-211.

## 2001

- Berger L, Speare R, Thomas A, Hyatt A. Mucocutaneous fungal disease in tadpoles of *Bufo marinus* in Australia. *Journal of Herpetology* 2001;35:330-335.
- Durrheim DN, Harris BN, Speare R, Billinghamur K. The use of hospital-based nurses for the surveillance of potential disease outbreaks. *Bulletin of the World Health Organization* 2001;79:22-27.
- Durrheim DN, Braack L, Grobler D, Bryden H, Speare R, Leggat PA. Safety of travel in South Africa: The Kruger National Park. *Journal of Travel Medicine*. 2001; 8:176-191.
- Durrheim DN, Ogunbanjo GA, Blumberg L, Speare R, Bishop GC. Human rabies: A tragedy that must be prevented. *South African Journal of Family Practice* 2001;23(6):12-19.
- Govere JM, Durrheim DN, Speare R, Mngomezulu MN, Montresor A. School-administered questionnaire for diagnosing *Schistosoma haematobium* and *Ascaris lumbricoides* infections in schoolchildren in Mpumalanga province, South Africa. *Southern African Journal of Epidemiology and Infection*

- 2001;16(4):122-124.
- Leggat PA, Speare R. Re: Health and safety problems and lack of information among international visitors backpacking through North Queensland. *Journal of Travel Medicine* 2001;8:281.
- Speare R, Steering Committee for Getting the Jump on Amphibian Disease. Developing management strategies to control amphibian diseases: decreasing the risks due to communicable disease. School of Public Health and Tropical Medicine, James Cook University. 2001:1-209.
- Speare R, Koehler JM. A case of pubic lice resistant to pyrethrins. *Australian Family Physician* 2001;30:572-574.
- Thomas AD, Forbes-Faulkner JC, Speare R, Murray C. Salmonellosis in wildlife from Queensland. *Journal of Wildlife Diseases* 2001;37:229-238.
- Wright K, Berger L, Nichols DK, Speare R, Sredl MJ, Pessier A, Johnson B. Roundtable: amphibian population decline. *Journal of Herpetological Medicine and Surgery* 2001;11(2):14-27.

## 2000

- Durrheim DN, Harris B, Billingham KB, Ogunbanjo G, Speare R. *The Outbreak Manual*. 2<sup>nd</sup> edition. Mpumalanga Department of Health: Nelspruit, 2000.
- Durrheim DN, Speare R. Measles elimination – a case definition to enhance surveillance. *Communicable Diseases Intelligence* 2000;24:329-331.
- Leggat PA, Speare R. Traveling with pets. *Journal of Travel Medicine* 2000;7:325-329.
- Leggat PA, Speare R, Kedjarune U. Letter to the editor on traveling with children. *Journal of Travel Medicine* 2000;7:142-146.
- Melrose W, Pisters P, Turner P, Kombati Z, Selve BP, Hii J, Speare R. Prevalence of filarial antigenaemia in Papua New Guinea: results of surveys by the School of Public Health and Tropical Medicine, James Cook University, Townsville, Australia. *Papua New Guinea Medical Journal* 2000;43:161-165.
- Speare R. Testing head lice: letter to editor - reply. *Australian Family Physician* 2000;29:103-104.
- Speare R. Hot water kills head lice experimentally placed on brushes. *International Journal of Dermatology* 2001;39:954-956.
- Speare R, Buettner P. Hard data needed on head lice transmission. *International Journal of Dermatology* 2000;39:877-878.
- Speare R, Govere JM, Durrheim DN. Fourth collaborative meeting on malaria control in South Africa. *South African Journal of Epidemiology and Infection* 2000;15:118-119.

## 1999

- Speare R, Ahn S. Eradicating head lice in a nursing home. *Australian Family Physician* 1999;28:915-917.
- Speare R, Buettner P. Prevalence of head lice in a primary school in Australia and implications for control. *International Journal of Dermatology* 1999;38:285-290.
- Speare R, Govere J, Durrheim DN. Roll Back Malaria: the African experience. *Southern African Journal of Epidemiology and Infectious Diseases* 1999;14:65-66.
- Speare R, Govere J, Durrheim DN, Mugomezulu N. Malaria control in South Africa: symposium in the wilderness. *Journal of Travel Medicine* 1999;6:149-150.
- Berger L, Speare R. Chytridiomycosis: a new disease of wild and captive amphibians. *ANZCCART Newsletter* 1999;11:1-3.
- Berger L, Speare R, Hyatt A. Chytrid fungi and amphibian declines: Overview, implications and future directions. *Declines and Disappearances of Australian Frogs*. Ed. A. Campbell. Environment Australia: Canberra 1999:23-33.
- Berger L, Speare R, Kent A. Diagnosis of chytridiomycosis of amphibians by histological examination. *Zoos Print Journal* 1999;15:184-190.
- Berger L, Volp K, Mathews S, Speare R, Timms P. *Chlamydia pneumoniae* in a free-ranging giant barred frog (*Mixophyes iteratus*) from Australia. *Journal of Clinical Microbiology* 1999;37:2378-2380.
- Beveridge I, Speare R. New species of parasitic nematodes from *Dorcopsulus vanheurni* (Marsupialia: Macropodidae) from Papua New Guinea. *Transactions of the Royal Society of South Australia* 1999;123(3):85-100.
- Dyzak P, Berger L, Cunningham AA, Hyatt AD, Green DE, Speare R. Emerging infectious diseases of wildlife: role in amphibian population declines and global implications. *Emerging Infectious*

Diseases 1999;5(5):735-748.

Johnson PM, Speare R, Beveridge I. Mortality in wild and captive rock-wallabies and nailtail wallabies due to hydatid disease caused by *Echinococcus granulosus*. Australian Mammalogy 1999;20:419-423.

Leggat PA, Speare R, Moon MEL. Sore eyes and travelers. Journal of Travel Medicine 1999;6:45-47.

## 1998

Speare, R. The internet and travel medicine. Chapter 17 in: Leggat, P.A. (ed). Primer of Travel Medicine (2<sup>nd</sup> ed). ACTM Publication: Townsville. 1998;150-163.

Speare, R. and Leggat, P. Viral hepatitis and travellers. Chapter 6 in: Leggat, P.A. (ed). Primer of Travel Medicine (2<sup>nd</sup> ed). ACTM Publication: Townsville. 1998; 59-62.

Speare, R., Leggat, P. and Goldsmid, J. Post-travel check-up. Chapter 16 in: Leggat, P.A. (ed). Primer of Travel Medicine (2<sup>nd</sup> ed). ACTM Publication: Townsville. 1998;142-149.

Berger, L, Speare, R., Daszak, P., Green, E.D., Cunningham, A.A., Goggin, C.L., Slocombe, R., Ragan, M.A., Hyatt, A.D., McDonald, K.R., Hines, H.B., Lips, K.R., Marantelli, G., and Parkes, H. Chytridiomycosis causes amphibian mortality associated with population declines in the rainforests of Australia and Central America. Proceedings of National Academy of Science 1998;95:9031-9036.

Beveridge I, Chilton NB, Johnson PM, Smales LR, Speare R, Spratt DM. Helminth parasite communities of kangaroos and wallabies (*Macropus* spp. and *Wallabia bicolor*) from north and central Queensland. Australian Journal of Zoology 1998;46(5):473-495.

Durrheim, D.N., Billinghamurst, K., de Bruyn, J.C., Speare, R. and Edginton, M.E. The Outbreak Manual. Health Systems Trust: Durban. 1998:1-34.

Leggat, P and Speare, R. Vaccinations for travel. Chapter 2 in: Leggat, P.A. (ed). Primer of Travel Medicine (2<sup>nd</sup> ed). ACTM Publication: Townsville. 13-27.

Leggat, P., Speare, R., Silva, D., Williams, W. and Kedjarune, U. Travelling with children. Chapter 15 in: Leggat, P.A. (ed). Primer of Travel Medicine (2<sup>nd</sup> ed). ACTM Publication: Townsville. 136-141.

Leggat, P.A., Speare, R. and Kedjarune, K. Traveling with children. International Journal of Travel Medicine 1998;5:142-146.

Skerratt, L., Speare, R, Berger, L. and Winsor, H. Lyssaviral infection and lead poisoning in black flying foxes from Queensland. Journal of Wildlife Diseases 1998;34:355-361.

Zupanovic, Z., Lopez, G., Hyatt, A.D., Green, B., Bartran, G., Parkes, H., Whittington, R.J., Speare R. Toads *Bufo marinus* in Australia and Venezuela have antibodies against 'ranaviruses'. Diseases of Aquatic Organisms 1998;32:1-8.

## 1997

Speare, R. Trends in Australian tropical medicine. Microbiology Australia 1997;18:26-28.

Speare, R., Donovan, J.A., Skerratt, L.F., Berger, L., Ladds, P.W. and de Beer, S. Idiopathic intranuclear inclusion bodies in the renal epithelium of macropods. Australian Veterinary Journal 1997;75:22-23.

Speare, R., Skerratt, L., Forster, R., Berger, R., Hooper, P., Lund, R., Blair, D., Hansman, D., Goulet, M. and Cooper, S. Australian bat lyssavirus infection in three fruit bats in North Queensland. Communicable Diseases Intelligence 1997;21:117-120.

Durrheim, D.N., Govere, R.J. and Speare, R. Chapter 8: The ecology of malaria and other mosquito-borne diseases in southern Africa. In: The Ecology of Environmental Hygiene and Occupational Health. Ed. Werner Coetzer. Public Health Series: Easilearn CC: Sinoville. 1997;246-306.

Berger, L., Speare, R. and Humphrey, J. *Mucor amphibiorum* in a free-ranging green tree frog, *Litoria caerulea*. Journal of Wildlife Diseases 1997;33:903-907.

Goldsmid, J. and Speare, R. The parasitology of foods. In: Hocking, A.D. (ed.). Foodborne Microorganisms of Public Health Significance, 5th Edition. AIFST Food Microbiology Group: Sydney. 1997;583-602.

Govere, R.J., Durrheim, D.N. and Speare, R. Chapter 9: The ecology of schistosomiasis in southern Africa. In: The Ecology of Environmental Hygiene and Occupational Health. Ed. Werner Coetzer. Public Health Series: Easilearn CC: Sinoville. 1997;307-350.

Laurance, W.F., McDonald, K.R. and Speare, R. In defence of the epidemic diseases hypothesis. Conservation Biology 1997;11:1030-1034.

Skerratt, L.F., Phelan, J., McFarlane, R. and Speare, R. Serodiagnosis of toxoplasmosis in a common

wombat. *Journal of Wildlife Diseases* 1997;33:346-351.  
Speare R, Berger L, O'Shea P, Ladds PW, Thomas AD. The pathology of mucormycosis of free-ranging Cane toads (*Bufo marinus*) in Australia. *Journal of Wildlife Diseases* 1997;33:105-111.  
Tidemann, C.R., Vardon, M.J., Nelson, J.E., Speare, R. and Gleeson, L.J. Health and conservation implications of Australian bat Lyssavirus. *Australian Zoologist* 1997;30:369-376.  
Whittington, R.J., Kearns, C. and Speare, R. Detection of antibodies against iridoviruses in the serum of the amphibian *Bufo marinus*. *Journal of Virological Methods* 1997;68:105-108.

#### **1996**

Laurence, W.F., McDonald, K.R. and Speare, R. Catastrophic declines of Australian rain forest frogs: support for the epidemic disease hypothesis. *Conservation Biology* 1996;10:406-413.  
Nowak, M. and Speare, R. Gender differences in adolescent weight and shape related beliefs and behaviours. *Journal of Paediatrics and Child Health* 1996;32:148-152.  
Nowak, M and Speare, R. Gender differences in food related concerns, beliefs and behaviours of North Queensland adolescents. *Journal of Paediatrics and Child Health* 1996;32:424-427.  
Gasser, R.B., Stewart, L.E. and Speare, R. Genetic markers in ribosomal DNA for hookworm identification. *Acta Tropica* 1996;62:15-21.  
Hyatt, A.D., Robinson, T. and Speare, R. Vanishing frogs and croaking toads. *Microbiology Australia* 1996;17:8.  
Whittington, R.J. and Speare, R. Sensitive detection of serum antibodies in the cane toad (*Bufo marinus*). *Diseases of Aquatic Organisms* 1996;26:59-65.

#### **1995**

Murray, R.M. and Speare, R. Unwanted pets: disposal of dogs and cats in a provincial Australian city. *Australian Veterinary Practitioner* 1995;25:68-72.

#### **1994**

Speare, R., Thomas, A.D., O'Shea, P. and Shipton, W.A. *Mucor amphibiorum* in the cane toad, *Bufo marinus*, in Australia. *Journal of Wildlife Diseases* 1994;30:399-407.  
Harrison, S.L., McLennan, R., Speare, R. and Wronski, I. Sun exposure and melanocytic naevi in young Australian children. *The Lancet* 1994;344:1529-1532.  
Lawrence GW, Sheridan JW, Speare R. We can get rid of scabies: new treatment available soon [letter]. *Medical Journal of Australia* 1994;161:239.

#### **1993**

Turner, P., Copeman, D.B., Gerisi, D. and Speare, R. A comparison of the Og4C3 antigen capture ELISA, the Knott test, an IgG4 assay and clinical signs, in the diagnosis of Bancroftian filariasis. *Tropical Medicine and Parasitology* 1993;44:45-48.  
Miocevic, I., Smith, J., Owens, L. and Speare, R. Ultraviolet sterilisation of model viruses important to finfish aquaculture in Australia. *Australian Veterinary Journal* 1993;70:25-27.  
Hengstberger, S.G., Hyatt, A.D., Speare, R. and Coupar, B.E.H. Comparison of epizootic haematopoietic necrosis and Bohle iridoviruses, recently isolated Australian iridoviruses. *Diseases of Aquatic Organisms* 1993;15:93-107.

#### **1992**

Speare, R. and Smith, J.R. An iridovirus isolated from the ornate burrowing frog (*Limnodynastes ornatus*) in northern Australia. *Diseases of Aquatic Organisms* 1992;14:51-57.  
Beveridge, I., Speare, R., Johnson, P.M. and Spratt, D.M. Helminth parasite communities of macropodid marsupials of the genera *Hypsiprymnodon*, *Aepyprymnus*, *Thylogale*, *Onychogalea*, *Lagorchestes* and *Dendrolagus* from Queensland. *Wildlife Research* 1992;19:359-376.  
Spencer, P.W. and Speare, R. Haematology of wild allied rock-wallabies *Petrogale assimilis* Ramsay, 1977 (Marsupialia: Macropodidae), in north Queensland. *Australian Journal of Zoology* 1992;40:355-364.

#### **1991**

Speare, R., Freeland, W.J. and Bolton, S.J. A possible iridovirus in erythrocytes of *Bufo marinus* in Costa Rica. *Journal of Wildlife Diseases* 1991;27:457-462.

Speare, R. and Kelly, K.A. with the assistance of Baker, C., Buthman, T., Hoolihan E., Kault, D.A., Smith R., Tapim M. and Winitana, C. Health Needs of Aboriginals and Islanders in the Townsville Region: The Role of Black Medical Services. Anton Breinl Centre for Tropical Health and Medicine, Townsville: 1991;pp.136.

#### 1990

- Speare, R. Review of the diseases of the Cane Toad, *Bufo marinus*, with comments on biological control. Australian Wildlife Research 1990;17:387-410.
- Ladds, P.W., Thomas, A.D., Speare, R. and Brown, S. Melioidosis in a koala. Australian Veterinary Journal 1990;67:304-305.
- O'Shea, P., Speare, R. and Thomas, A.D. Salmonellas from the cane toad, *Bufo marinus*. Australian Veterinary Journal 1990;67:310.
- Sakamoto, T., Hutchinson, G.W., Thompson, R.C.A., Speare, R., Kawase, S. and Itagaki, T. Studies on echinococcosis in Australia. III. Histopathological studies on echinococcosis of macropod marsupials in Australia. Journal of the Faculty of Agriculture, Iwate University 1990;20:43-51.
- Harries, A.D., Speare, R., and Wirrima, J.J. Medical admissions to Kamuzu Central Hospital, Lilongwe, Malawi in 1986: comparison with admissions to Queen Elizabeth Central Hospital, Blantyre in 1973. Tropical and Geographic Medicine 1990;42:274-279.

#### 1989

- Speare, R. Identification of species of *Strongyloides*. In "Strongyloidiasis: an important roundworm infection of man". Ed. D.I. Grove. Taylor Francis, London. 1989;11-82.
- Speare, R., Donovan, J.A., Thomas, A.D. and Speare, P.J. Diseases of free-ranging Macropodoidea. In "Kangaroos, Wallabies and Rat Kangaroos". Ed G. Grigg, P. Jarman and I. Hume. Surrey Beattie and Sons Pty Ltd., New South Wales. 1989;705-734.
- Harries, A.D. and Speare, R. Rectal snips in the diagnosis of hepato-splenic schistosomiasis. Transactions of the Royal Society for Tropical Medicine and Hygiene 1989;82:720.
- Harries, A.D., Speare, R. and Wirrima, J.J. Symptoms and response to chemotherapy in adult Malawians admitted to hospital with *Plasmodium falciparum* malaria. Annals of Tropical Medicine and Parasitology 1989;82:511-512.

#### 1988

- Speare, R. Clinical evaluation, diseases and management of the orphaned macropod joey. In : "Australian Wildlife", Refresher Course for Veterinarians No. 104. The Post-Graduate Foundation in Veterinary Science, the University of Sydney, Sydney. 1988;211-296.
- Speare, R. *Strongyloides* in Africa : the need to diagnose the species. Postgraduate Doctor 1988;10:164-171.
- Speare, R. and Thomas, A.D. Orphaned kangaroo and wallaby joeys as a potential zoonotic source of *Salmonella*. Medical Journal of Australia 1988;148: 619-623.
- Harries, A.D., Speare, R. and Wirrima, J.J. A profile of respiratory disease in an African medical ward. Journal of Royal College of Physicians 1988;22:109-113.

#### 1987

- Speare, R. Infection with *Strongyloides stercoralis*. Medical Journal of Australia 1987;147:46 (letter).
- Speare, R. and Banks, D. A trichoepithelioma in a wild grey kangaroo (*Macropus giganteus*). Journal of Wildlife Diseases 1987;23:508-509.
- Speare, R. and Tinsley, D.J. Survey of cats for *Strongyloides felis*. Australian Veterinary Journal 1987;64:191-192.

#### 1986

- Speare, R. and Tinsley, D.J. *Strongyloides felis* : an "old" worm rediscovered in Australian cats. Australian Veterinary Practitioner 1986;16:10-18.

#### 1985

- Speare, R. The veterinary aspects of man as an intermediate host for *Toxoplasma gondii*. Australian Veterinary Practitioner 1985;15:11-18.
- Speare, R., Haffenden, A., Daniels, P., Thomas, A.D. and Seawright, C. Diseases of the Herbert River ringtail, *Pseudocheirus herbertensis*, and other north Queensland rainforest possums. In:

"Possums and Gliders". Ed. A.A. Smith and I. Hume. Surrey Beattie and Sons, Melbourne 1985;283-302.

Speare, R., and Thomas, A.D. Kangaroos and wallabies as carriers of *Basidiobolus haptosporus*. Australian Veterinary Journal 1985;62:209-210.

Beveridge, I., Presidente, P.J. and Speare, R. Parasites of the swamp wallaby (*Wallabia bicolor*) and associated pathology. Journal of Wildlife Disease 1985;21:377-385.

#### **1984**

Beveridge, I., Speare, R. and Johnson, P.M. New records of Globocephaloidinae (Nematoda: Trichostrongyloidea) from Macropodidae in north Queensland. Transactions of the Royal Society of South Australia 1984;108:197-201.

#### **1983**

Speare, R. Comparative morphology of the eggs of the paramphistomid trematodes of the agile wallaby, *Macropus agilis* (Gould, 1842). Journal of Wildlife Diseases 1983;19:368-370.

Speare, R., Beveridge, I.B., Johnson, P.M. and Corner, L.A. Parasites of the agile wallaby *Macropus agilis* (Marsupialia). Australian Wildlife Research 1983;10:89-96.

#### **1982**

Speare, R., Johnson, P.M. and Haffenden, A. Management of disease in captive macropods in north Queensland. In: "Management of Australian Mammals in Captivity" Ed. D.D. Evans. Proceedings of Scientific Meeting of the Australian Mammal Society, Healesville, Victoria, February, 1979. The Zoological Parks Board of Victoria, Melbourne 1982;117-124.

Speare, R. and Spratt, D.M. Pathology due to a remarkable nematode parasitic in the portal veins of Macropodidae. In: "Wildlife Diseases of the Pacific Basin and Other Countries". Ed. M.E. Fowler. Proceedings of the fourth International Conference of the Wildlife Diseases Association, Sydney, 25-28 August, 1981. Wildlife Diseases Association 1982;113-117.

Spratt, D.M. and Speare, R. *Durikainema macropi* gen. et sp. nov., (Muspiceoidea: Robertdolfusidae), a remarkable nematode from Macropodidae (Marsupialia). Annals de Parasitologie, Humaine et Comparee 1982;57:53-62.

#### **1979**

Blair, D., Beveridge, I. and Speare, R. *Macropotrema pertinax* gen. et sp. nov. (Digenea Paramphistomidae) from a wallaby, *Macropus agilis*, in northern Australia and associated pathology. Annales de Parasitologie (Paris) 1979;6:585-592.

#### **Chapters in Unreferred Monographs**

Speare, R. and McConnell, A. (1996) Mites and worms, dogs and humans. In: Dog Health in Indigenous Communities. Ed. J. Shield. Proceedings of a Seminar on Dog Health in Aboriginal and Islander Communities. Western Pacific Veterinary Conference, 31 August 1993, Darwin. Queensland Department of Primary Industries: Cairns. pp. 32-45.

Leggat, P.A. and Speare, R. (1996) Vaccinations for travel: Chapter 2. In: Leggat, P.A. (ed). Primer of Travel Medicine. ACTM Publication: Townsville.

Leggat, P.A. and Speare, R. (1996) Viral hepatitis and travellers: Chapter 6. In: Leggat, P.A. (ed). Primer of Travel Medicine. ACTM Publication: Townsville.

Leggat, P.A. and Speare, R. (1996) Post-travel checkup: Chapter 15. In: Leggat, P.A. (ed). Primer of Travel Medicine. ACTM Publication: Townsville.

Speare, R. (1996) The Internet and Travel Medicine: Chapter 16. In: Leggat, P.A. (ed). Primer of Travel Medicine. ACTM Publication: Townsville.

#### **Editor**

Speare, R., Koehler, J.M. and Leggat, P.A. (1997) New Images in Tropical Medicine. Proceedings: 6th Annual Scientific Meeting of the Australasian College of Tropical Medicine. 16-18 June 1997, Townsville. ACTM Publication. pp.?.

Speare, R., Koehler, J.M. and Leggat, P.A. (1996) Proceedings: 5th Annual Scientific Meeting of the Australasian College of Tropical Medicine and WHO/ACTM Workshop on the control of lymphatic

- filariasis in the Asia/Pacific. Sheraton Nusa Indah, Bali 14-17 June 1996. ACTM Publication: Townsville. pp.101.
- Leggat, P.A. and Speare, R. (1996) Yearbook of the Australasian College of Tropical Medicine. ACTM Publication: Townsville. pp.99.

### Popular Press

- Speare, R. (1999) A network for monitoring wildlife diseases in Australia. ACTM Bulletin 8:4.
- Speare, R. (1999) Capricorn 1999: Australian Society for Parasitology, Annual Scientific Meeting. ACTM Bulletin 8:8.
- Speare, R. (1997) Why get excited about a bat virus? ACTM Bulletin 3:1-2.
- Speare, R. (1996) CP Ramachandran retires. Filarial Links 1(1):1-3.
- Speare, R. (1996) WHO/ACTM Filariasis Workshop, Bali, Indonesia. Filarial Links 1(1):2-5.
- Speare, R. (1988) Toads and dogs: a fatal attraction. Townsville Tails, May 1988, 4-7.

## CONFERENCES AND PUBLIC LECTURES

### Invited Conference Speaker

- Speare R. Adventures in tropical disease research: From Anton Breinl to our near neighbours. Talk to Townsville Rotary Club, NQ Club, Townsville, 22 January 2008.
- Speare R and Weldon C. Out of Africa: origin of *Batrachochytrium dendrobatidis*, the amphibian chytrid fungus. International Union of Microbiological Societies, XI International Congress of Mycology, San Francisco, California, USA 23-28 July 2005. 124-M p. 27.
- Speare R, Berger L, Skerratt L, Mendez D. Chytridiomycosis and amphibian declines. International Wildlife Disease Association Conference, 26 June to 1 July 2005, Cairns, Australia.
- McDonald K, Speare R. Banana frogs: What's in the box. Fourth National Banana Industry Conference, 7 June 2001, Cairns.
- Speare, R. (2000) Zoonoses and emerging infectious diseases. RACGP Annual Conference, 12 October 2000, Townsville.
- Speare, R. (2000) Head lice: What's going on and what can we do? Head lice workshop. Tropical Millenium Bugs: ACTM/ACITHN Scientific Meeting 23-26 June 2000, Noosa Lakes Resort. Pp.37.
- Speare, R. (2000) Head lice in primary schools: Response to an intervention program. Head lice workshop. ACTM/ACITHN Scientific Meeting 23-26 June 2000, Noosa Lakes Resort.
- Speare, R. (1999) Amphibian declines in Australia and epidemic disease. Development of a Wildlife Health Centre. Proceedings of a Workshop 8-9 November 1999, Division of Wildlife and Ecology, CSIRO, Gunghalin, Canberra. Pp.26-28.
- Speare, R. (1999) Summing up. Conference on Malaria Control in South Africa. Skukuza, October 12 1999.
- Speare, R. (1999) Network for monitoring amphibian diseases in Australia. Workshop on a National Network to Monitor Wildlife Diseases. CSIRO Wildlife, Canberra 8 November 1999.
- Speare, R. (1999) Lessons from a series of pediculosis cases. Australian Society of Parasitology / Australasian College of Tropical Medicine Scientific Meeting. Yeppoon, September 1999.
- Speare, R. (1999) Travel medicine and the internet. Travel Medicine Conference. Capricorn Division of General Practice Ltd: Yeppoon, 17-18 July 1999.
- Speare, R. (1998) Head Lice Workshop. ACTM Annual Scientific Meeting, Perth, Western Australia, September 1998.
- Speare, R. (1998) Closing address. Malaria control in South Africa. Skukuza, Mpumalanga, South Africa, 17 August 1998.
- Speare, R. (1997) Zoonoses: separating fact from fiction. Urban Animal Management Conference. 7 December 1997, Adelaide.
- Speare, R. (1996) *Taenia solium* and trichinosis in Papua New Guinea: risks to Australia. Workshop on exotic diseases of pigs in Australia's near neighbours. AQIS, Canberra, 12 December 1996.
- Speare, R. and Skerratt, L. (1996) A lyssavirus of bats in eastern Australia. Proceedings of the 4th Annual Conference of the Freemantle Tropical Medicine Group, Freemantle, 7 December 1996.
- Speare, R. and Melrose, W. (1996) Update on Japanese Encephalitis in Torres Strait. Proceedings of the 4th Annual Conference of the Freemantle Tropical Medicine Group, Freemantle, 7 December 1996.
- Speare, R. (1996) *Plasmodium*: life cycle, pathogenesis and control. Malaria Workshop, Health

- Department Mpumalanga Province, Leyderberg, South Africa, 26 October 1996.
- Speare, R. (1995) Cane toad diseases: where to now? Cane Toad Workshop, Wildlife and Ecology, 13-14 December 1995, Canberra.
- Speare, R. (1995) Symptoms and signs in orphaned macropod joeys. Advanced Macropod Training Course. North Queensland Wildlife Care Group, 26-27 August 1995, Townsville.
- Speare, R. (1995) Frog decline. Australian Veterinary Association Annual Conference, 21-26 May 1995, Melbourne. p54.
- Speare, R. (1995) Writing good grant applications. Allied Health Professionals Annual Conference, 13 April 1995, Townsville.
- Speare, R. (1994) Radiation screening in the tropics. Medical Imaging Nurses Association (Qld), Annual Conference, October 9-10, Townsville.
- Speare, R. (1994) What's new in tropical medicine? North Queensland Medical Conference, 26-30 September, Townsville.
- Speare, R. (1993) Opening address. Fifth Scientific Meeting of the Australasian College of Tropical Medicine, Townsville, 13 November 1993.
- Speare, R. and McConnell, A. (1993) Mites and worms in dogs and humans. Seminar on Dog Health in Aboriginal and Islander Communities. Western Pacific Veterinary Conference, 31 August 1993, Darwin.
- Speare, R. (1993) Zoonotic diseases in veterinary practice in North Queensland. Annual Conference, North Queensland Branch of Australian Veterinary Association, July 16 1993, Townsville. pp.17.
- Speare, R. (1993) Dog bites. Annual Conference, North Queensland Branch of Australian Veterinary Association, 16 July 1993, Townsville. Pp.3.
- Speare, R. (1993) Nursing native animals. Annual Conference, North Queensland Branch of Australian Veterinary Association, 16 July 1993, Townsville.
- Spencer, P.B.S., Speare, R. and Johnson, P.M. (1993) Comparative haematology and blood biochemistry for 18 species of kangaroos and wallabies from northern Australia. International Symposium on Comparative Biochemistry and Physiology of Marsupial and Monotreme Blood. 3 July 1993, University of Sydney.
- Speare, R., Skerrat, L., Berger, L. and Johnson, P.M. (1993) Neutropenia in macropods caused by mebendazole. International Symposium on Comparative Biochemistry and Physiology of Marsupial and Monotreme Blood. 3 July 1993, University of Sydney.
- Speare, R. (1992) Cane toads. Babinda Reptile Conference, October 1992, Babinda.
- Speare, R. (1992) Zoonotic diseases in Australia. Annual Conference, Cairns Medical Practitioners Group, October 1992, Dunk Island.
- Speare, R. (1992) Zoonotic disease risks to veterinary nurses in Australia. Annual Conference, North Queensland Branch of Australian Veterinary Association, October 1992, Cairns.
- Speare, R. (1992) The orphaned macropod joey. Annual Conference, North Queensland Branch of Australian Veterinary Association, October 1992, Cairns.
- Speare, R. (1992) Tips on handling Australian wildlife. Annual Conference, North Queensland Branch of Australian Veterinary Association, October 1992, Cairns.
- Speare, R. (1992) Tropical medicine in Townsville: back from the dead. Opening address to National Conference of the Australian Podiatry Council, 22 June 1992, Townsville.
- Speare, R. (1992) Malaria, the risk to Australia. AIMS/AACB North Queensland Conference, Townsville, June 5-8 1992.
- Speare, R. (1991) Parasites in humans in North Queensland. North Queensland Physicians Annual Conference, Townsville, 2 November 1991.
- Speare, R. (1991) Strongyloidiasis in North Queensland. Townsville General Hospital Clinical Week, Townsville, 16 September 1991.
- Speare, R. (1990) Diseases of the introduced cane toad; possibility of biological control. Wildlife Diseases Association (Australasian Section) Conference, Melbourne, 29 November 1990.
- Speare R. (1989) Clinical examination and diagnosis of disease in anurans. Amphibian Wetlab, Annual Conference of the American Association of Zoo Veterinarians, 14-19 October, Greensboro, North Carolina. Pp.14.
- Speare, R. (1989) Anaesthesia of anurans. Amphibian Wetlab Annual Conference of the American Association of Zoo Veterinarians, October 14-19, Greensboro, North Carolina. Pp.10.
- Speare, R. (1989) The marine toad, *Bufo marinus*, in Australia and the search for a killer disease. Proceedings of the American Association of Zoo Veterinarians, October 14-19, Greensboro, North Carolina. Pp.166-172.



Speare, R. (1989) Management of macropod joeys orphaned in captivity. Proceedings of the American Association of Zoo Veterinarians, October 14-19, Greensboro, North Carolina. Pp.189-190.

### Conference Proceedings

- Croese J, Speare R, O'Neil J, Masson J, Cooke S, Melrose W, Pritchard D. *Necator americanus* in the treatment of Crohn's disease. ACTM Scientific Meeting, 12 June 2005, Rydges Capricornia Resort, Yeppoon 2005.
- Speare R. Head lice: update on strategies for management and control. Workshop at 2001 A Science Odyssey, Annual Scientific Meeting of the ACTM and Capricornia AIMS. 8 June 2001, Yeppoon.
- Speare R. Australian bat lyssavirus: the current situation. 2001 A Science Odyssey, Annual Scientific Meeting of the ACTM and Capricornia AIMS. 10 June 2001, Yeppoon.
- Speare R. Evaluating drugs for head lice. At 2001 A Science Odyssey, Annual Scientific Meeting of the ACTM and Capricornia AIMS. 9 June 2001, Yeppoon.
- Goldsmid J, Speare R. Parasitological oddities: a workshop. At 2001 A Science Odyssey, Annual Scientific Meeting of the ACTM and Capricornia AIMS. 10 June 2001, Yeppoon.
- Canyon D, Speare R, Winkel K, Naumann I. Economic costs of some medically relevant invertebrate invasions in Australia. At 2001 A Science Odyssey, Annual Scientific Meeting of the ACTM and Capricornia AIMS. 9 June 2001, Yeppoon.
- Speare, R. Understanding the pieces of the amphibian diseases puzzle. Getting the Jump! on Amphibian Diseases. Cairns 26-30 August 2000. p.19.
- Berger, L., Speare, R., Hyatt, A. and Marantelli, G. Overview of *Batrachochytrium* and frog declines. Getting the Jump! on Amphibian Diseases. Cairns 26-30 August 2000. p.22.
- Speare, R., Mendez, D., Berger, L. and Hyatt, A. Surveillance of amphibian populations for infectious diseases. Getting the Jump! on Amphibian Diseases. Cairns 26-30 August 2000. p.43.
- Speare, R., Canyon, D. and Cahill, C. (2000) Improving the evidence base for head lice and their control. Tropical Millenium Bugs: ACTM/ACITHN Annual Scientific Meeting, 23-26 June 2000, Noosa Lakes Resort. p.54.
- Durrheim, D.N., Braack, L.E.O., Grobler, D.G., Bryden, H., Speare, R. and Leggat, P. (2000) Safe travel in South Africa - The Kruger National Park. Tropical Millenium Bugs: ACTM/ACITHN Annual Scientific Meeting, 23-26 June 2000, Noosa Lakes Resort. p.34.
- Nowak, M. and Speare, R. (2000) Relationship between adolescents' fruit intake and other "healthy" habits. Tropical Millenium Bugs: ACTM/ACITHN Annual Scientific Meeting, 23-26 June 2000, Noosa Lakes Resort. p.85 (poster).
- Speare, R. (1997) Australian bat lyssavirus: an overview. New Images in Tropical Medicine. Proceedings of the Sixth Annual Scientific Meeting of the Australasian College of Tropical Medicine. Townsville, 19-20 July 1997. ACTM Publication.
- Speare, R. Anderson, R. and Winsor, H. (1997) This is a lousy poster. New Images in Tropical Medicine. Proceedings of the Sixth Annual Scientific Meeting of the Australasian College of Tropical Medicine. Townsville, 19-20 July 1997. ACTM Publication.
- Berger, L., Speare, R. and Humphrey, J. (1996) *Mucor amphibiorum* in a free-ranging Green tree frog (*Litoria caerulea*). Annual Conference, Wildlife Diseases Association (Australian Branch), Alice Springs, 27-28 July 1996.
- Berger, L., Speare, R., Thomas, T. and Schneider, L. (1996) Fungal epidemic in cane toad (*Bufo marinus*) tadpoles. Annual Conference, Wildlife Diseases Association (Australian Branch), Alice Springs, 27-28 July 1996.
- Speare, R. and McConnell, A. (1996) *Sarcoptes scabiei* resistant to permethrin. Proceedings of the 5th Annual Scientific Meeting of the Australasian College of Tropical Medicine. Sheraton Nusa Indah, Bali 14-17 June 1996. ACTM Publication: Townsville. p28.
- Speare, R. (1996) What is the Internet? A medical viewpoint. Proceedings of the 5th Annual Scientific Meeting of the Australasian College of Tropical Medicine. Sheraton Nusa Indah, Bali 14-17 June 1996. ACTM Publication: Townsville. p60.
- Speare, R. (1996) Strategies for efficiently finding infectious disease data on the Internet. Proceedings of the 5th Annual Scientific Meeting of the Australasian College of Tropical Medicine. Sheraton Nusa Indah, Bali 14-17 June 1996. ACTM Publication: Townsville. p63.
- Speare, R. (1996) Update on diagnosis and management of *Strongyloides*. Australian Society for Microbiology, Meeting at Mission Beach, 14 April 1996.

- Speare, R. (1995) Food-borne parasitic zoonoses in Australia. 2nd International Conference on Food-Borne Parasitic Zoonoses, Khon Kaen, 5-9 December 1995, Thailand.
- Beveridge, I., Chilton, N.B., Johnston, P.M., Smales, L., Speare, R. and Spratt, D.M. (1995) Gastro-intestinal helminth parasite communities from kangaroos and wallabies (*Macropus* and *Wallabia*) from north-eastern Queensland. Presented at the Annual Conference of the Australian Society for Parasitology, 28-30 September 1995, Adelaide.
- Speare, R. and McConnell, A. (1995) In vitro test for resistance of *Sarcoptes scabiei* to commercially available therapies. Australasian College of Tropical Medicine Forth Annual Scientific Meeting, 16-18 June 1995, Townsville. p53.
- Paget, S., Melrose, W., Dixon, P. and Speare, R. (1995) Evaluation and comparison of the QBC diagnostic system with the traditional microscopy standard in screening for malaria. Australasian College of Tropical Medicine Forth Annual Scientific Meeting, 16-18 June 1995, Townsville. p39.
- Speare, R. and Kelly, K.A. (1995) Travel medicine advice for Myanmar (Burma). Australasian College of Tropical Medicine Forth Annual Scientific Meeting, 16-18 June 1995, Townsville. p24.
- Speare, R. (1995) What's happening in tropical medicine in Australia? Myanmar Military Medical Association - Australasian College of Tropical Medicine Joint Scientific Conference, 3-4 March, 1995, Yangon, Myanmar. p4.
- Speare, R., Copeman, D.B., and Turner, P.T. (1995) Evaluation of new tests for lymphatic filariasis. Myanmar Military Medical Association - Australasian College of Tropical Medicine Joint Scientific Conference, 3-4 March, 1995, Yangon, Myanmar. p4.
- Speare, R., Murray, R. and Selby, J.M. (1994) Dogscan: a new technique to quantify urban dog problems. Fifth Scientific Meeting of the Australasian College of Tropical Medicine, 24 November 1994, Hobart. p54.
- Speare, R. and McConnell, A. (1994) New approaches for an old itch. Third Annual Scientific Meeting of the Australasian College of Tropical Medicine Inc., 23-24 July 1994, Daydream Island p58.
- Speare, R. (1993) Have you looked for *Strongyloides felis*? Western Pacific Veterinary Conference, 30 August 1993, Darwin (poster).
- Speare, R. (1993) Does the invasion of the cane toad into the NT have implications for human health? Second Annual Scientific Meeting, Australasian College of Tropical Medicine, Darwin, 17-19 June 1993. Pp.42.
- O'Brien, M.F. and Speare, R. (1993) Health needs in the outer islands of Torres Strait. Second Annual Scientific Meeting, Australasian College of Tropical Medicine, Darwin, 17-19 June 1993. Pp.110. (poster)
- Speare, R., Murray, R.M. and Selby, J. (1993) Urban dog control: the public's perceptions. Second Annual Scientific Meeting, Australasian College of Tropical Medicine, Darwin, 17-19 June 1993. Pp.111. (poster)
- Turner, P., Gerisi, D., Marama, J. and Speare, R. (1993) A filariasis control programme for the Western Province of Papua New Guinea. Second Annual Scientific Meeting, Australasian College of Tropical Medicine, Darwin, 17-19 June 1993. Pp.126. (poster)
- Speare, R. (1992) What the Anton Breinl Centre is doing in 1992. Second Scientific Meeting, Australasian College of Tropical Medicine, 28 June 1992, Palm Cove. (abstract)
- Speare, R. (1992) A survey of health needs of Aboriginals and Torres Strait Islanders in the Townsville region. Second Scientific Meeting, Australasian College of Tropical Medicine, 28 June 1992, Palm Cove. (abstract)
- Speare, R. (1992) Parasitic diseases in tropical Queensland and PNG. AIMS/AACB North Queensland Conference, Townsville, June 5-8 1992. (abstract)
- Speare, R. (1991) The Australasian College of Tropical Medicine: the beginning. Proceedings of the Inaugural Scientific Meeting, Australasian College of Tropical Medicine, 23 November, Magnetic Island.
- Speare, R. (1991) HIV in Africa. Proceedings of the Inaugural Scientific Meeting, Australasian College of Tropical Medicine, 23 November, Magnetic Island.
- Speare, R. (1989) Biological control of the cane toad in Australia: parasites. Proceedings of the Australian Society for parasitology, 26-29 September, Magnetic Island, p.102.
- Speare, R., O'Shea, P., Ladds, P.L. and Thomas, A.D. (1989) The pathology of mucormycosis in free-ranging cane toads, *Bufo marinus*, in Australia. Proceedings of the Third International Colloquium on Diseases of Reptiles and Amphibians, p.86.
- Speare, R. and Farmer, T. (1982) Aspects of the life history of *Durikainema macropi* (Muspecioidea: Nematoda) in eastern Grey Kangaroos and Agile Wallabies. Proceedings of the Australian

- Society for Parasitology, 27-30 May, Marysville, p.56 (poster).
- Speare, R. (1982) Problems in the identification of species of *Strongyloides* (Nematoda). Proceedings of the Australian Society for Parasitology, 27-30 May, Marysville, p.38.
- Speare, R. (1981) Some aspects of the life history of *Strongyloides*. Proceedings of the Australian Society for Parasitology, 13-15 May, Perth, p.64.
- Beveridge, I., Speare, R., Johnson, P.M. and Spratt, D.M. (1990) Helminth communities in small macropodid marsupials. Proceedings of the Seventh International Congress of Parasitology, Paris.
- Spratt, D.M., Beveridge, I., Speare, R. and Blair, D. (1988) Wildlife parasite communities. Proceedings of the Australian Society for Parasitology, September 27-30, Sydney, p.24.

### **Speaker**

- Speare R. Hookworms: Foe or Friend? Scientific Meeting. Thirtieth Year Reunion. Royal Brisbane Hospital, Herston, Brisbane. 22 October 2005.
- Speare R. Solving the puzzle of amphibian declines: the importance of the Queensland wet tropics. Wet Tropics Management Authority, Management Group, 16 August 2005.
- Speare R. Papers from theses and dissertations. SPHTMRS Research Showcase Day. 3 August, Douglas, 2005.
- Speare, R. Overview of formidable infectious diseases of amphibians. Getting the Jump! on Amphibian Diseases. Cairns 26-30 August 2000.
- Speare R. Strongyloidiasis and strongyloides: an overview. Third National Workshop on Strongyloidiasis. 10-11 June, Rydges Capricornia Resort, Yeppoon, 2005.
- Speare R. Elements of a strongyloides control program. Third National Workshop on Strongyloidiasis. 10-11 June, Rydges Capricornia Resort, Yeppoon, 2005.
- Berger, L., Speare, R. Hyatt, A. 1998. Chytrid fungi and amphibian declines in Australia. Victorian Frog Group, Melbourne Zoo, Melbourne, 5 June 1998.
- Speare, R. and Berger, L. 1998. The amphibian chytrid fungus. Lecture at Department of Zoology, University of Witwatersrand, Johannesburg, South Africa. 21 August 1998.
- Speare, R. and Berger, L. 1998. The amphibian chytrid fungus. Lecture at Department of Zoology, Stellenbosch University, Capetown, South Africa. 22 August 1998.
- Speare, R. (1998) Diseases of amphibians. North Queensland Wildlife Care Group. Guest speaker, Department of Biomedical and Molecular Sciences, James Cook University, Townsville, 28 April 1998.
- Speare, R. (1998) Head lice - resistant or what? ACTM Scientific Meeting, Townsville, 8 April 1998.
- Speare, R. (1997) Update on pteropid lyssavirus. ACTM Scientific Meeting, Townsville, 28 February 1997.
- Speare, R. (1996) Bat lyssavirus and human disease. Seminar on "Bat Lyssavirus and human disease: decreasing the risks to human health". Department of Public Health and Tropical Medicine, Australasian College of Tropical Medicine, Australasian Faculty of Public Health Medicine at Mater Education Centre, Townsville, 30 November, 1996.
- Speare, R. (1996) "How to run a dog health program in an indigenous community". Workshop held at Ramingining, East Arnhem Land, Northern Territory for Environmental Health Division of NT Health, 15-19 April 1996.
- Speare, R. (1996) How to write grant applications. Workshop for Staff Development Unit, Northern Region Queensland Health. 15 March 1996.
- Speare, R. (1996) Malaria and the intensive care unit. Lecture to Intensive Care Nurses Course, Mater Hospital, 28 June 1996.
- Speaker, R. (1996) Building links between Townsville and Myanmar. Rotary, Ross River Club, Townsville, 13 February 1996.
- Speare, R. (1995) Update on the diagnosis and treatment of strongyloidiasis. Lecture to Department of Microbiology, Prince of Wales Hospital, Chinese University of Hong Kong, New Territories, Hong Kong, 30 November 1995,.
- Speare, R. (1995) What's new in malaria? Soroptomists, Townsville Branch, 19 April 1995, Townsville.
- Speare, R. (1995) Writing good submissions. Lecture for Staff Development Unit, Northern Region Queensland Health, 19 April 1995, Townsville.
- Speare, R. (1995) Tropical medicine in Myanmar. Australasian College of Tropical Medicine Scientific Meeting, 29 March 1995, Townsville.

- Speare, R. (1995) Parasites in North Queensland. Family Medicine Program Training Seminar, 10 February 1995, Townsville.
- Speare, R. (1994) Searching the literature. General Practice Research Seminar. North Queensland Clinical School, 22-23 October, 1994, Townsville.
- Speare, R. (1994) How to do research. General Practice Research Seminar. North Queensland Clinical School, 22-23 October, 1994: Townsville.
- Speare, R. (1994) Writing good submissions. Lecture for Staff Development, Townsville General Hospital, 22 August 1994.
- Speare, R. (1994) Killing toads, saving frogs: humans' attempts to influence evolution in the Amphibia. Lecture in Seminar Series. Department of Public Health and Tropical Medicine: James Cook University. 8 March, 1994.
- Speare, R. (1993) Rabies in Australia. Lecture to Australasian College of Tropical Medicine, 29 September 1993, Townsville.
- Speare, R. (1993) Injuries and illnesses in macropods. Lecture to the North Queensland Wildlife Care Group, 28 September 1993, Townsville.
- Speare, R. and Sofield, F. (1993) Malaria in the Solomon Islands. Lecture to the North Queensland Soroptomists Regional Meeting, 16 May 1993, Townsville.
- Speare, R. (1993) Malaria: Global and Australian Overview. Seminar on "Malaria in the Townsville Region: an update". ACTM and Anton Breinl Centre joint seminar, 20 March 1993, Townsville.
- Speare, R. (1993) Malaria: Monitoring for Resistance. Seminar on "Malaria in the Townsville Region: an update". ACTM and Anton Breinl Centre joint seminar, 20 March 1993, Townsville.
- Speare, R. (1991) Diseases of aviary birds. Lecture to Townsville Bird Breeders Club, April, 1991.
- Speare, R. (1990) Problems in hand-raising orphan joeys. Lecture to North Queensland Wildlife Care Group, 26 March 1990, Townsville.
- Speare, R. (1990) Veterinary problems of orphan joeys. Lecture to North Queensland Veterinary Association, 21 March 1990, Townsville.
- Speare, R. (1989) Techniques for handling wild animals. Lecture to North Queensland Wildlife Care Group, 28 October 1989, Townsville.
- Speare, R. (1989) Restraint of native animals for clinical procedures. Lecture to Veterinary Nurses Course, 15 August 1989, Townsville.
- Speare, R. (1988) Cane toads. Lecture to Townsville Herpetology Society, November 1988, Townsville.
- Speare, R. and Kelly, K. (1987) A case of systemic candidiasis. Lecture to medical staff of Kamuzu Central Hospital, June 1987, Lilongwe, Malawi.
- Speare, R. (1986) *Strongyloides* and strongyloidiasis. Lecture to medical staff of Kamuzu Central Hospital, November 1986, Lilongwe, Malawi.
- Speare, R. (1984) *Toxoplasma* and toxoplasmosis. Lecture to clinical Week, Townsville General Hospital, September 1984, Townsville.
- Speare, R. (1984) The haemorrhagic septicaemic syndrome in macropods. Lecture to North Queensland Veterinary Conference, August 1984, Townsville.
- Speare, R. (1984) Medical problems of orphaned macropod joeys. Lecture to North Queensland Veterinary Conference, August 1984, Townsville.
- Speare, R. (1984) The zoonotic aspects of toxoplasmosis. Lecture to North Queensland Veterinary Conference, August 1984, Townsville.
- Speare, R. (1984) Techniques for the diagnosis of infection with *Strongyloides* in humans. Lecture to staff of Microbiology at the Commonwealth Health Laboratory, May 1984, Townsville.
- Speare, R. (1983) *Strongyloides* and strongyloidiasis. Lecture to Clinical Week, Townsville General Hospital, August 1983, Townsville.
- Speare, R. (1979) Strongyloidiasis in macropods. Lecture to Wildlife Diseases Association, Annual Conference, May 1979, Townsville.
- Speare, R. (1979) Diseases you can catch from your pets. Lecture to course run by Community Medicine, April, 1979, Townsville.
- Speare, R. (1979) Zoonotic diseases of significance to the infantry. Lecture to Army Medical Unit, Lavarack Barracks, August 1979, Townsville.

#### **CHAIRPERSON**

Chairperson at Tropical Millenium Bugs, ACTM/ACITHN joint scientific meeting, Noosaville 23-26 June 2000. Session on 26<sup>th</sup> June on non-communicable diseases.

Chairperson at 2nd Seminar on Foodborne Parasitic Zoonoses, session TA2R2 - Manifestation / Pathogenesis / Others, Khon Kaen, Thailand, 6-9 December 1995.

Chairperson at WHO/ACTM Workshop on control of lymphatic filariasis in the Asia/Pacific, Sheraton Nusa Indah, Bali, 14 June 1996.

Chairperson, "Bat lyssavirus and EMV: decreasing the risks to public health." Seminar held by Department of Public Health and Tropical Medicine, Australasian College of Tropical Medicine, Australasian Faculty of Public Health Medicine at Mater Education Centre, Townsville, 30 November, 1996.

Chairperson, Infection Control Hypothetical, Townsville General Hospital, Townsville, 2 December, 1996.

### **FORWARDS/PREFACES**

Forward to Ashdown, L.R. (1992) "Serology in the diagnosis and management of syphilis". TropMed Series, Australasian College of Tropical Medicine Inc., Townsville.

Forward to Leggat, P. (ed.) (1994) "International Directory of Training in Tropical Medicine 1994-95". Australasian College of Tropical Medicine Inc., Townsville.

Forward to Leggat, P. (ed.) (1995) "The Inaugural Ashdown Oration". Australasian College of Tropical Medicine Inc., Townsville.

Forward to Leggat, P. (ed.) (1995) "International Directory of Training in Tropical Medicine 1995-96". Australasian College of Tropical Medicine Inc., Townsville.

Forward to Prociv, P. and Luke, R. (1996) "Hookworms in Australia: lessons from history". Annals of the Australasian College of Tropical Medicine 2: (in press).

### **PARTICIPATION IN ORGANISATIONS**

#### **Member**

Australasian Association of Health Promotion Professionals 1991 - 1993

Australasian College of Tropical Medicine 1991 - present

Australasian College of Veterinary Scientists 1985 - present

Australian Association of Health Executives 1991 - 1993

Australian Health Informatics Association (Qld) 1992 - 1994

Australian Public Health Association 1992 - present

Australian Mammal Society 1978 - 1985

Australian Society for Microbiology (Assoc. Member) 1988 - present

Australian Society for Parasitology 1978 - present

Australian Society for Wildlife Management 1988 - present

North Queensland Wildlife Carers Group 1988 - present

Wildlife Diseases Association 1978 – 1991, 2002-2007

#### **PUBLIC POSITIONS**

Chair, National Strongyloides Working group, July 2005 – current.

Member of the National Strongyloidiasis Steering Group, August 2003.

Chairperson, Steering Committee, Getting the Jump on Amphibian Diseases conference and workshop, August 2000.

Member of South African National Rabies Advisory Group: October 1999 - 2002.

Member of College Council, Australasian College of Tropical Medicine: June 1999 - 2001.

President of the Australasian College of Tropical Medicine Inc.: May 1991 - June 1996.

Past President of the Australasian College of Tropical Medicine Inc.: June 1996 - 1997.

Chairperson of the Scientific Program Committee, Australasian College of Tropical Medicine Inc.: 1994 - 1998.

Chairperson of the Electronic Networking Committee, Australasian College of Tropical Medicine Inc.: 1995 - 1998.

Chairperson of the Townsville Malarial Panel: 1991 - 1993.

Member of the Electronic Communications Committee of the International Society for Travel Medicine: 1995 - present.

Member of Disease and Pathology Subgroup of Task Force on Declining Amphibian Populations: 1993 - 1995.

Member of the North Queensland Frog Recovery Group, Queensland: 1994 - 1997.

Member of National Health and Medical Research Council Committee on Zoonoses: 1993 - 1994.  
Member of Zonal Committee on Education for Control of Dengue Fever in North Queensland: 1993-1994.  
Member, Program Grants Committee, National Health and Medical Research Council: 2007.

## RESEARCH AND CONSULTANCY FUNDS

Year	Total Grant Funds	Australian Competitive Grants
1999	\$573,990	\$0
2000	\$715,000	\$0
2001	\$648,603	\$0
2002	\$730,749	\$210,349
2003	\$710,525	\$72,525
2004	\$2,195,649	\$388,325
2005	\$1,186,983	\$144,800
2006	\$1,304,198	\$194,800
2007	\$1,978,839	\$532,751
2008	\$1,941,138	\$569,551
2009	\$1,719,321	\$874,951
2010	\$2,485,695	\$1,672,692
2011	\$1,921,569	\$1,639,264
<b>Total</b>	<b>\$17,707,259</b>	<b>\$6,300,008</b>

### 2011

Source of funds	Topic	Amount
Australian Research Council: Indigenous Research Development Program	Miller A, <b>Speare R</b> , Judd J. A qualitative study of barriers to effective infectious and parasitic disease interventions in Aboriginal communities	2011: \$40,000
National Health and Medical Research Council – Capacity Building Grants in Population Health (431504)	<b>Speare R</b> , Tsey K, Elston J, Veitch C, Murray M. Building research capacity in Indigenous Australians and community controlled health services	\$457,951 (\$2,289,759 for 2007-2012)
National Health and Medical Research Council Project Grant (601025)	<b>Speare R</b> , Miller A, Durrheim D, Siggers S, Tsey K, Nelson C, Judd J, Massey P. Feasible containment strategies for pandemic influenza in rural and remote Indigenous communities	\$1,027,500 over 2010 and 2011
National Health and Medical Research Council Project Grant (605804)	Andrews R, <b>Speare R</b> , Carapetis J, McCarthy J, Cheng A, Kearns T, Mulholland E, Markey P. Impact of an ivermectin drug administration program against endemic scabies and strongyloidiasis	\$1,257,125 for 2010 and 2011
Queensland Emergency Medicine Research Foundation (QEMRF-PROJ-2009-017)	Aitken P, Leggat P, <b>Speare R</b> , Elcock M, Mazur S, Brown L, Fitzgerald G, Tippett V, McKenzie K, Pollard C, McKillop A, Miller P, Rashford S, Hoggard B, Cardwell R, Smith L, Furyk J. A Review of the state wide Queensland Aeromedical Retrieval	2011: \$99,305 (\$264,240 over 2009-2011)

	System.	
Queensland Injury Prevention Council	Speare R, etc. Injury prevention in north Queensland	2011: \$100,000 (\$300,000 over 2010-2012)
Morris Animal Foundation – Wildlife round	Skerratt L, Berger L, Grogan L, Speare R. Immunity to chytridiomycosis.	\$130,000 over 3 years (2011 \$48,000, 2012 \$45,000, 2013 \$32,000)
JCU: Research Infrastructure B	Melrose W, Speare R, MacLaren DJ, Redman-MacLaren M. Public health research development on Malaita, Solomon Islands	\$35,000
Total		\$1,921,569

## 2010

Source of funds	Topic	Amount
Australian Research Council: Indigenous Research Development Program	Miller A, <b>Speare R</b> , Judd J. A qualitative study of barriers to effective infectious and parasitic disease interventions in Aboriginal communities	2010: \$40,000
National Health and Medical Research Council – Capacity Building Grants in Population Health (431504)	<b>Speare R</b> , Tsey K, Elston J, Veitch C, Murray M. Building research capacity in Indigenous Australians and community controlled health services	\$457,951 (\$2,289,759 for 2007-2012)
National Health and Medical Research Council Project Grant (601025)	<b>Speare R</b> , Miller A, Durrheim D, Saggars S, Tsey K, Nelson C, Judd J, Massey P. Feasible containment strategies for pandemic influenza in rural and remote Indigenous communities	\$1,027,500 over 2010 and 2011
National Health and Medical Research Council Project Grant (605804)	Andrews R, <b>Speare R</b> , Carapetis J, McCarthy J, Cheng A, Kearns T, Mulholland E, Markey P. Impact of an ivermectin drug administration program against endemic scabies and strongyloidiasis	\$1,257,125 for 2010 and 2011
National Health and Medical Research Council Standard Equipment Grant (640330)	Speare R. Equipment for safe research on diseases of flying foxes in the tropics.	\$33,428
Public Health Education and Research Program: institutional grant – 4 <sup>th</sup> round	<b>Speare R</b> , Leggat PA, et al. Anton Breinl Centre for Public Health and Tropical Medicine	\$450,000
Australian Biosecurity CRC – Bridging Grant	Skerratt L, Berger L, <b>Speare R</b> , Hunter D, Marantelli G, Harlow P, Cashins S. Inducing adaptive immunity and testing for innate immunity to chytridiomycosis to improve the success of reintroduction programs of endangered frogs	2010: \$100,478
JCU Cross-Faculty Collaborative Grant	<b>Speare R</b> , Luly J, Skerratt L, Blair D, Buttner P. Tick paralysis in	\$8.500



	spectacled flying foxes	
Griffiths Uni – JCU Collaborative Grants Scheme 2009	Skerratt L, ... <b>Speare R</b> . Effects of climate change on disease	\$10,000
Australian Biosecurity – Cooperative Research Centre (AL.124R)	<b>Speare R</b> , Judd J, Mendez D. Improving infection control in equine veterinary practice	\$40,000
Queensland Emergency Medicine Research Foundation (QEMRF-PROJ-2009-017)	Aitken P, Leggat P, <b>Speare R</b> , Elcock M, Mazur S, Brown L, Fitzgerald G, Tippett V, McKenzie K, Pollard C, McKillop A, Miller P, Rashford S, Hoggard B, Cardwell R, Smith L, Furyk J. A Review of the state wide Queensland Aeromedical Retrieval System.	2010: \$99,305 (\$264,240 over 2009-2011)
Queensland Injury Prevention Council	Speare R, etc. Injury prevention in north Queensland	\$100,000 (\$300,000 over 2010-2012)
JCU Cross-Faculty Collaboration	Boon H, Brown L, Speare R. Disability and climate change in schools	\$8,000
JCU: Research Infrastructure B	Melrose W, Speare R, MacLaren DJ, Redman-MacLaren M. Public health research development on Malaita, Solomon Islands	\$33,220
Total		\$2,485,695

## 2009

Source of funds	Topic	Amount
NHMRC Influenza H1N1 09 Urgent grants	Speare R, Miller A, Durrheim D, Massy P, Judd J, Tsey K, Siggers S, Clough A, Thompson M. Feasible containment strategies for swine influenza H1N1 in rural and remote Indigenous communities	\$457,000
University of Otago Research Committee, Standard Research Grant	Bishop P, <b>Speare R</b> . Chytridiomycosis – susceptibility, penetration and transmission	\$36,577 (NZD)
James Cook University, Indigenous Support Funds	<b>Speare R</b> , Judd J. Indigenous Writers' Workshop	\$28,000
Australian Research Council: Indigenous Research Development Program	Miller A, <b>Speare R</b> , Judd J. A qualitative study of barriers to effective infectious and parasitic disease interventions in Aboriginal communities	2009: \$60,000 2010: \$40,000 2011: \$50,000
Public Health Education and Research Program: institutional grant – 4 <sup>th</sup> round	<b>Speare R</b> , Leggat PA, et al. Anton Breinl Centre for Public Health and Tropical Medicine	\$450,000
National Health and Research Council – Capacity Building Grants in Population Health (431504)	<b>Speare R</b> , Tsey K, Elston J, Veitch C, Murray M. Building research capacity in Indigenous Australians and community controlled health services	\$457,951 (\$2,289,759 over 5 years)
Australian Biosecurity CRC – Bridging	Skerratt L, Berger L, <b>Speare R</b> ,	2009: \$128,130

Grant	Hunter D, Marantelli G, Harlow P, Cashins S. Inducing adaptive immunity and testing for innate immunity to chytridiomycosis to improve the success of reintroduction programs of endangered frogs	2010: \$100,478
JCU Cross-Faculty Collaborative Grant	<b>Speare R</b> , Luly J, Skerratt L, Blair D, Buttner P. Tick paralysis in spectacled flying foxes	\$8,500
JCU ARC-Linkage Assistance Grant	<b>Speare R</b> , Melrose W, Warner J, Croese J. Good manufacturing quality hookworm larvae.	\$1,560
Griffiths Uni – JCU Collaborative Grants Scheme 2009	Skerratt L, ... <b>Speare R</b> . Effects of climate change on disease	\$10,000
Australian Biosecurity – Cooperative Research Centre	<b>Speare R</b> , Judd J, Mendez D. Improving infection control in equine veterinary practice	\$40,000
Queensland Emergency Medicine Research Foundation (QEMRF-PROJ-2009-017)	Aitken P, Leggat P, <b>Speare R</b> , Elcock M, Mazur S, Brown L, Fitzgerald G, Tippett V, McKenzie K, Pollard C, McKillop A, Miller P, Rashford S, Hoggard B, Cardwell R, Smith L, Furyk J. A Review of the state wide Queensland Aeromedical Retrieval System.	2009: \$99,355 2010: \$99,305 2011: \$65,580
Total		\$1,870,236

## 2008

Source of funds	Topic	Amount
Australian Research Council, Project and Postdoc Fellowship Grant	Speare R, Berger L, Skerratt L: Epidemiology of chytridiomycosis in amphibians	\$74,800
Department of Environment and Heritage (RFT 42/2004)	Skerratt L, Berger L, Speare R, Alford R. Experimental research to obtain a better understanding of the epidemiology, transmission and dispersal of amphibian chytrid fungus in Australian ecosystems	\$325,220
Department of Environment and Heritage (RFT 43/2004)	Alford R, Speare R, Skerratt L, Berger L, Cashins S. Experimental research to obtain a better understanding of the pathogenesis of chytridiomycosis, and the susceptibility and resistance of key amphibian species to chytridiomycosis in Australia.	\$266,873
Department of Environment and Heritage: (Com ID: 60766)	Young S, Speare R, Skerratt L, Berger L. Emerging amphibian diseases and disease surveillance in Queensland – Stage 2; February 2007 – June 2008	\$45,540
Department of Environment and Heritage: RFT 151/2006DEH	Hyatt A, Speare R, Pergolotti D, Rose K. Identification of new frog diseases	\$211,954 (\$423,908 over

	in the Wet Tropics: agent identification & development of associated diagnostic assays	2 years)
Public Health Education and Research Program: institutional grant – 4 <sup>th</sup> round	Speare R, Leggat PA, et al. Anton Breinl Centre for Public Health and Tropical Medicine	\$450,000
National Health and Research Council – Capacity Building Grants in Population Health (431504)	Speare R, Tsey K, Elston J, Veitch C, Murray M. Building research capacity in Indigenous Australians and community controlled health services	\$457,951 (\$2,289,759 over 5 years)
Bill and Melinda Gates Foundation: Child Survival and Development, Emory University, USA	Melrose W, Ottesen E, Harmen S, Gallagher H, Johnson P, Speare R. Multicenter evaluation of diagnostic tools for lymphatic filariasis.	\$22,000
NHMRC Equipment Grant	Speare R. Research microscope and imaging system	\$36,800
Research Infrastructure Grant B, JCU	Speare R. Portable ultrasound for surveys in PNG	\$50,000
Total		\$1,941,138

## 2007

Source of funds	Topic	Amount
Australian Research Council, Project and Postdoc Fellowship Grant	Speare R, Berger L, Skerratt L: Epidemiology of chytridiomycosis in amphibians	\$74,800
Department of Environment and Heritage (RFT 42/2004)	Skerratt L, Berger L, Speare R, Alford R. Experimental research to obtain a better understanding of the epidemiology, transmission and dispersal of amphibian chytrid fungus in Australian ecosystems	\$325,220
Department of Environment and Heritage (RFT 43/2004)	Alford R, Speare R, Skerratt L, Berger L, Cashins S. Experimental research to obtain a better understanding of the pathogenesis of chytridiomycosis, and the susceptibility and resistance of key amphibian species to chytridiomycosis in Australia.	\$266,873
Department of Environment and Heritage: (Com ID: 60766)	Young S, Speare R, Skerratt L, Berger L. Emerging amphibian diseases and disease surveillance in Queensland – Stage 2; February 2007 – June 2008	\$45,540
Department of Environment and Heritage: RFT 151/2006DEH	Hyatt A, Speare R, Pergolotti D, Rose K. Identification of new frog diseases in the Wet Tropics: agent identification & development of associated diagnostic assays	\$211,954 (\$423,908 over 2 years)
Public Health Education and Research Program: institutional grant – 4 <sup>th</sup> round	Speare R, Leggat PA, et al. Anton Breinl Centre for Public Health and Tropical Medicine	\$450,000
National Health and Research Council –	Speare R, Tsey K, Elston J, Veitch C,	\$457,951

Capacity Building Grants in Population Health (431504)	Murray M. Building research capacity in Indigenous Australians and community controlled health services	(\$2,289,759 over 5 years)
Broad Medical Research Program	Croese J, McCarthy J, Lucas A, Speare R. Inoculating celiac subjects with <i>Necator americanus</i> , a human hookworm: does contrived parasitisation of naïve adults inhibit autoimmunity	\$146,500 (US\$120,000)
Total		\$1,978,839

## 2006

Source of funds	Topic	Amount
Australian Research Council, Project and Postdoc Fellowship Grant	Speare R, Berger L, Skerratt L: Epidemiology of chytridiomycosis in amphibians	\$74,800
Australian Research Council	McCullum, Speare, Hyatt, Freed, Daszak: Disease in endangered species: The importance of multiple-host infection and spatial structure.	\$70,000
Department of Environment and Heritage (RFT 42/2004)	Skerratt L, Berger L, Speare R, Alford R. Experimental research to obtain a better understanding of the epidemiology, transmission and dispersal of amphibian chytrid fungus in Australian ecosystems	\$325,220
Department of Environment and Heritage (RFT 43/2004)	Alford R, Speare R, Skerratt L, Berger L, Cashins S. Experimental research to obtain a better understanding of the pathogenesis of chytridiomycosis, and the susceptibility and resistance of key amphibian species to chytridiomycosis in Australia.	\$266,873
Marine & Tropical Science Research Facility	Speare R, Berger L, Skerratt L: Emerging disease of amphibians in the Wet Tropics.	\$50,000
Office of Prime Minister & Cabinet: Research support for counterterrorism program	Speare R, Canyon D, Leggat P, Aitken P, Robertson A, Hodge J, Durrheim D: Interactive online decision support simulations for bioterrorism preparedness and response.	\$67,305
Public Health Education and Research Program: institutional grant – 4 <sup>th</sup> round	Speare R, Leggat PA, et al. Anton Breinl Centre for Public Health and Tropical Medicine	\$450,000
Total		\$1,304,198

## 2005

Source of funds	Topic	Amount
Australian Research Council, Project and Postdoc Fellowship Grant	Speare, Berger, Skerratt: Epidemiology of chytridiomycosis in amphibians	\$74,800

Australian Research Council	McCullum, Speare, Hyatt, Freed, Daszak: Modelling of infectious diseases of wildlife	\$70,000
Department of Environment and Heritage (RFT 42/2004)	Skerratt L, Berger L, Speare R, Alford R. Experimental research to obtain a better understanding of the epidemiology, transmission and dispersal of amphibian chytrid fungus in Australian ecosystems	\$325,220
Department of Environment and Heritage (RFT 43/2004)	Alford R, Speare R, Skerratt L, Berger L, Cashins S. Experimental research to obtain a better understanding of the pathogenesis of chytridiomycosis, and the susceptibility and resistance of key amphibian species to chytridiomycosis in Australia.	\$266,873
Public Health Education and Research Program: institutional grant – 3rd round	Speare R, Leggat PA, et al. Anton Breinl Centre for Public Health and Tropical Medicine	\$450,000
<b>Total</b>		<b>\$1,186,983</b>

#### 2004

<b>Source of funds</b>	<b>Topic</b>	<b>Amount</b>
Australian Research Council, Project and Postdoc Fellowship Grant	Speare, Berger, Skerratt: Epidemiology of chytridiomycosis in amphibians	\$74,800
Australian Research Council	McCullum, Speare, Hyatt, Freed, Daszak: Modelling of infectious diseases of wildlife	\$70,000
Australian Research Council SPIRT grant: In collaboration with Dept of Microbiology and Parasitology, University of Queensland	Barker, Speare, Lloyd: Insecticide resistance in head lice	\$54,525
Merit Research Grant, James Cook University	Durrheim, Speare, Muller: The Australian public and the threat of bioterrorism	\$14,384
Australian Research Council: LIEF grant	Burgess, Walkden-Brown, Ritchie, Lam, Speare, Edwards, Boyle. Molecular diagnostics based on real-time polymerase chain reactions for emerging tropical infectious diseases aimed at protecting Australia from invasive diseases	\$109,000
National Heritage Trust	Speare R. Management of diseases of Australian amphibians.	\$80,000
Department of Environment and Heritage (RFT 63/2003)	Speare R, L. Berger, L. Skerratt, A. Hyatt, H. Hines, J-M Hero, G. Marantelli, R. Woods. A project that designs and trials a pilot survey to map the distribution of chytridiomycosis (caused by the amphibian chytrid fungus) in Australian frogs	\$90,000
Department of Environment and Heritage (RFT 16/2004)	Marantelli G, Speare R, Berger L, Hines H, Pergolotti D, Skerratt L. A	\$77,550

	project that develops agreed hygiene protocols for the control of diseases in Australian frogs.	
Townsville Hospital Foundation	Immunological implications of <i>Necator americanus</i> infection in subjects with Crohn's Disease and healthy volunteers	\$49,552
Department of Environment and Heritage (RFT 42/2004)	Skerratt L, Berger L, Speare R, Alford R. Experimental research to obtain a better understanding of the epidemiology, transmission and dispersal of amphibian chytrid fungus in Australian ecosystems	\$325,220
Department of Environment and Heritage (RFT 43/2004)	Alford R, Speare R, Skerratt L, Berger L, Cashins S. Experimental research to obtain a better understanding of the pathogenesis of chytridiomycosis, and the susceptibility and resistance of key amphibian species to chytridiomycosis in Australia.	\$800,618
Fundación BBVA	Bosch J, Fisher MC, Walker SF, Speare R, Berger L, Skerratt L, et al. Emerging diseases in amphibians : the great threat to biodiversity	€160,000 (\$273,000)
Public Health Education and Research Program: institutional grant – 3rd round	Speare R, Leggat PA, et al. Anton Breinl Centre for Public Health and Tropical Medicine	\$450,000
<b>TOTAL</b>		<b>\$2,195,649</b>

### 2003

Source of funds	Topic	Amount
Glaxo, Smith, Kline (Pacific Filariasis Elimination Project)	Durrheim, Nelesone, Melrose, Speare: Surveillance for acute adenolymphangitis in Tuvalu	\$100,000
Emerald Forest Pharmaceuticals Pty Ltd	Speare: Head lice research	\$11,000
Australian Research Council SPIRT grant: In collaboration with Dept of Microbiology and Parasitology, University of Queensland	Barker, Speare, Lloyd: Insecticide resistance in head lice	\$54,525
Australian Research Council project grant: In collaboration with Dept of Zoology, University of Queensland	McCullum, Speare, Hyatt. Modeling of infectious diseases in wildlife	\$50,000
Environment Australia (National Heritage Trust )	Speare: Amphibian diseases	\$20,000
Environment Australia	Speare, Berger: Threat Abatement Plan for infection with amphibian chytrid resulting in chytridiomycosis	\$25,000
Public Health Education and Research Program: institutional grant – 3rd round	Speare R, Leggat PA, et al. Anton Breinl Centre for Public Health and Tropical Medicine	\$450,000
<b>TOTAL</b>		<b>\$710,525</b>

### 2002

Source of funds	Topic	Amount
JCU MRG	Speare: Environmental aspects of	\$18,400

	<i>Strongyloides</i>	
Emerald Forest Pharmaceuticals Pty Ltd	Speare: Head lice research	\$15,000
RHSET	Speare, Counahan, Weld: Supporting community control of head lice in rural primary schools in North Queensland	\$69,900
Australian Research Council SPIRT grant: In collaboration with Dept of Microbiology and Parasitology, University of Queensland	Barker, Speare: Insecticide resistance in head lice	\$60,449
Environment Australia (National Heritage Trust )	Speare: Amphibian diseases	\$80,000
Integrated Research Challenges in Evolutionary Biology (NSF: USA)	Collins et al (including Speare) Amphibian diseases	\$25,000 (actual total for grant for 2002 was US\$1,000,000)
Australian Banana Growers Council	Diseases of amphibians from the Philippines	\$12,000
Public Health Education and Research Program: institutional grant – 2nd round	Speare R, Leggat PA, et al. Anton Breinl Centre for Public Health and Tropical Medicine	\$450,000
<b>TOTAL</b>		<b>\$730,749</b>

#### 2001

Source of funds	Topic	Amount
AusAID	Australia-South Africa Joint Links Project	\$65,000
Emerald Forest Pharmaceuticals Pty Ltd	Head lice research	\$20,000
Environment Australia (National Heritage Trust )	Amphibian diseases	\$80,000
National Science Foundation	Amphibian diseases	\$25,000
International Seminar Support Scheme (AusAID)	ACTM/AIMS Conference 2001	\$8,603
Public Health Education and Research Program: institutional grant – 2nd round	Speare R, Leggat PA, et al. Anton Breinl Centre for Public Health and Tropical Medicine	\$450,000
<b>TOTAL</b>		<b>\$648,603</b>

#### 2000

Source of funds	Topic	Amount
National Science Foundation	Amphibian diseases	\$25,000
Environment Australia (National Heritage Trust )	Amphibian diseases	\$100,000
AusAID	Australia-South Africa Joint Links Project	\$100,000
Emerald Forest Pharmaceuticals Pty Ltd	Head lice research	\$30,000
WWF Australia	Getting the Jump on Amphibian Diseases conference and workshop	\$10,000
Public Health Education and Research Program: institutional grant – 2nd round	Speare R, Leggat PA, et al. Anton Breinl Centre for Public Health and Tropical Medicine	\$450,000
<b>TOTAL</b>		<b>\$715,000</b>

#### 1999

Source of funds	Topic	Amount
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Queensland Health	Head lice in primary schools	\$29,000
Townsville City Council	Evaluation of management strategies for urban pets	\$9,990
Emerald Forest Pharmaceuticals Pty Ltd	Head lice research	\$20,000
Environment Australia	Amphibian diseases	\$30,000
National Science Foundation (USA)	Amphibian diseases	\$25,000
National Heritage Trust	Conference in 2000 on management strategies to lessen risks of amphibian disease	\$10,000
Public Health Education and Research Program: institutional grant – 2nd round	Speare R, Leggat PA, et al. Anton Breinl Centre for Public Health and Tropical Medicine	\$450,000
<b>TOTAL</b>		<b>\$573,990</b>

### FILES ON WORLD WIDE WEB

Since 1993 I have been placing data on the internet, initially on Gopher and now on the WWW. In all I have made available about 300 pages on animal and human health related topics on the WWW.

#### Home page:

[http://www.jcu.edu.au/phtmrs/staff/academic/JCUDEV\\_018362.html](http://www.jcu.edu.au/phtmrs/staff/academic/JCUDEV_018362.html).

#### Other Important Web Pages

Head Lice Information Sheet: <http://www.jcu.edu.au/school/phtm/PHTM/hlice/hlinfo1.htm>

This site was awarded the year 2000 Public Health Association media prize for content in an on-line site developed by a public health professional with significant impact on a public health issue. Since April 1999 the site has had 30,000 hits, the majority from USA.

#### Amphibian Diseases Home Page:

<http://www.jcu.edu.au/school/phtm/PHTM/frogs/ampdis.htm>

This is a major site for information on diseases of amphibians particularly chytridiomycosis.

Rick Speare

Date: 14 March 2012