

Appendix 1

PUBLICATIONS BY PARTICIPANTS OF THE ARC/NHMRC RESEARCH NETWORK FOR PARASITOLOGY IN 2008

[1] AN ENVIRONMENTALLY SUSTAINABLE AUSTRALIA

- Aiken HM, Hayward CJ, Crosbie PB, Watts M, Nowak BF (2008). Serological evidence of an antibody response in farmed southern bluefin tuna naturally infected with the blood fluke *Cardicola forsteri*. *Fish & Shellfish Immunology*, 25: 66-75.
- Aken'Ova TO, Cribb TH, Bray RA (2008). Eight new species of *Macvicaria* Gibson and Bray, 1982 (Digenea: Opecoelidae) mainly from endemic temperate marine fishes of Australia. *ZooKeys* 1: 23-58.
- Araceli Consuelo Hinojosa-Juarez, Sandoval-Balanzario, McManus DP, Monroy-Ostria A (2008). Genetic similarity between cysticerci of *Taenia solium* isolated from human brain and from pigs. *Infection, Genetics and Evolution* 8: 653-656.
- Barnett LJ., Smales LR, Cribb TH (2008). A complex of putative acanthocolpid cercariae (Digenea) from *Nassarius olivaceus* and *N. dorsatus* (Gastropoda: Nassariidae) in Central Queensland, Australia. *Zootaxa* 1705: 21-39.
- Blair D (2008). Family Pachypsolidae Yamaguti, 1958. In: *Keys to the Trematoda. Volume 3.* (eds Bray RA, Gibson, DI, Jones A), CABI Publishing, Wallingford UK, pp 541-543.
- Blair D (2008). Family Paragonimidae Dollfus, 1939. In: *Keys to the Trematoda. Volume 3.* (eds Bray RA, Gibson, DI, Jones A), CABI Publishing, Wallingford UK, pp 271-273.
- Blair D (2008). Family Prouterinidae Foreyt, Schell & Beyer, 1996. In: *Keys to the Trematoda. Volume 3.* (eds Bray RA, Gibson, DI, Jones A), CABI Publishing, Wallingford UK, pp 275-276.
- Blair D and Barton DP (2008). Family Orchipediidae Skrjabin, 1913. In: *Keys to the Trematoda. Volume 3* (eds Bray RA, Gibson, DI, Jones A), CABI Publishing, Wallingford UK, pp 265-269.
- Blair D and Barton DP (2008). Family Collyriclidae Ward, 1917. In: *Keys to the Trematoda. Volume 3.* (eds Bray RA, Gibson, DI, Jones A), CABI Publishing, Wallingford UK, pp 227-230.
- Blair D and Barton DP (2008). Family Cortrematidae Yamaguti, 1958. In: *Keys to the Trematoda. Volume 3.* (eds Bray RA, Gibson, DI, Jones A) CABI Publishing, Wallingford UK, pp 231-232.
- Blair D, Tkach V, Barton DP (2008). Family Troglotrematidae Odhner, 1914. In: *Keys to the Trematoda. Volume 3.* (eds Bray BA, Gibson, DI, Jones A), CABI Publishing, Wallingford UK, pp 277-289.
- Bray RA and Blair D (2008). Superfamily Gorgoderoidea Looss, 1899. In: *Keys to the Trematoda. Volume 3.* (eds Bray RA, Gibson, DI, Jones A), CABI Publishing, Wallingford UK, pp 187-189.
- Bray RA, and Cribb TH (2008). *Stephanostomum* spp. (Digenea: Acanthocolpidae) from scombrids and carangids (Perciformes) from the Great Barrier Reef, with the description of two new species. *Revista Mexicana de Biodiversidad* 79: 49-68.
- Bshary R, Grutter AS, Willener AS, Leimar O (2008). Pairs of cooperating cleaner fish provide better service quality than singletons. *Nature* 455: 964-966.
- Burger MAA, Barnes AC, Adlard RD (2008). Wildlife as reservoirs for parasites infecting commercial species: host specificity and a redescription of *Kudoa amamiensis* from teleost fish in Australia. *Journal of Fish Diseases*. 31: 835-844.
- Cafarchia C, Gasser RB, Latrofa MS, Parisi A, Campbell BE, Otranto D (2008). Genetic variants of *Malassezia pachydermatis* from canine skin: body distribution and phospholipase activity. *FEMS Yeast Research*. 8: 451-459.
- Cheney KL, Bshary R, Grutter AS (2008). Cleaner fish cause predators to reduce aggression towards bystanders at cleaning stations. *Behavioural Ecology* 19: 1063-1067.
- Cheney KL, Grutter AS, Marshall NJ (2008). Facultative

Appendix 1 cont.

mimicry: cues for colour change and colour accuracy in a coral reef fish. *Proceedings of the Royal Society B Biological Sciences* 275: 117-122.

Coetzee ML, Smit NJ, Grutter AS, Davies AJ (2008). A new gnathiid (Crustacea: Isopoda) parasitizing two species of requiem sharks from Lizard Island, Great Barrier Reef, Australia. *Journal of Parasitology* 94: 608-615.

Davies CM, Mitchell VG, Petterson SM, Taylor GD, Lewis J, Kaucner C, Ashbolt NJ (2008). Microbial challenge-testing of treatment processes for quantifying stormwater recycling risks and management. *Water Science and Technology* 57: 843-847.

Fenner AL and Bull CM (2008). The impact of nematode parasites on the behaviour of an Australian lizard, the gidgee skink *Egernia stokesii*. *Ecological Research* 23: 897-903 doi 10.1007/s11284-007-0453-1

Fenner AL, Smales LR, Bull CM (2008). Pharyngodon *wandillahensis* n.sp. (Nematoda: Pharyngodonidae) from the endangered pygmy bluetongue lizard *Tiliqua adelaidensis* Peters, 1863 (Sauria: Scincidae), South Australia, Australia. *Comparative Parasitology* 75: 69-75.

Fogelman R and Grutter AS (2008). Effects of the juvenile parasitic isopod *Anilocra apogonae* on the growth and survival of young cardinal fish (Apogonidae). *Coral Reefs* 27: 685-693.

Glennon V, Perkins EM, Chisholm LA, Whittington ID (2008). Comparative phylogeography reveals host generalists, specialists and cryptic diversity: hexabothriid, microbothriid and monocotylid monogeneans from rhinobatid rays in southern Australia. *International Journal for Parasitology* 38: 1599-1612. DOI: 10.1016/j.ijpara.2008.05.017

Godfrey SS, Bull CM, Nelson NJ (2008). Seasonal and spatial dynamics of ectoparasite infestation of a threatened reptile, the tuatara (*Sphenodon punctatus*) (Reptilia: Sphenodontia). *Medical and Veterinary Entomology* 22: 374-385

Green TJ, Jones BJ, Adlard RD, Barnes AC (2008). Parasites, pathological conditions and mortality in QX-resistant and wild-caught Sydney rock oysters, *Saccostrea glomerata*.

Aquaculture 280: 35-38.

Grillo V, Craig BH, Wimmer B, Gilleard JS (2008). Microsatellite genotyping supports the hypothesis that *Teladorsagia davtiani* and *Teladorsagia trifurcata* are morphotypes of *Teladorsagia circumcincta*. *Molecular and Biochemical Parasitology*, 159: 59-63.

Grutter AS (2008). Interactions between gnathiid isopods, cleaner fish and other fish at Lizard Island, Great Barrier Reef. *Journal of Fish Biology* 73: 2094-2109.

Grutter AS, Pickering J, McCallum H, McCormick MI (2008). Impact of micropredatory gnathiid isopods on young coral reef fishes. *Coral Reefs* 27: 655-661.

Gunter NL, Adlard RD (2008) Bivalvulidan (Myxozoa : Myxosporea) parasites of damselfishes with description of twelve novel species from Australia's Great Barrier Reef. *Parasitology* 135: 1165-1178.

Guzinski J, Saint KM, Gardner MG, Donnellan SC, Bull CM (2008) . Development of microsatellite markers and analysis of their inheritance in the Australian reptile tick, *Bothriocroton hydrosauri*. *Molecular Ecology Resources* 8: 443-445

Hall KA, and Cribb TH (2008). Revision of Flagellotrema Ozaki, 1936 (Digenea, *Gyliauchenidae* Fukui, 1929), including the description of two species from acanthuroid fishes from the Great Barrier Reef, Queensland, Australia. *Zootaxa* 1718: 1-35.

Haugarvoll E, Bjerkås I, Nowak, BF, Hordvik I, Koppang EO (2008). Identification and characterisation of a novel intraepithelial lymphoid tissue in the gills of Atlantic salmon, *Journal of Anatomy*, 213: 202-209.

Miller TL, and Cribb TH (2008). Eight new species of Siphoderina Manter, 1934 (Digenea, Cryptogonimidae) infecting Lutjanidae and Haemulidae (Perciformes) off Australia. *Acta Parasitologica* 53: 344-364.

Hayward CJ, Aiken HM, Nowak BF (2008). An epizootic of *Caligus chistos* on farmed Southern Bluefin tuna (*Thunnus maccoyii*) off South Australia. *Diseases of Aquatic Organisms* 79: 57-63.

Appendix 1 cont.

- Hayward CH, Aiken H, Nowak BF (2008). Epizootics of metazoan gill parasites did not threaten feasibility of farming Southern Bluefin Tuna (*Thunnus maccoyii*) in a trial extending over summer months. *Veterinary Parasitology* 154: 122-128.
- Heiniger H, Gunter NL, Adlard RD. Relationships between four novel ceratomyxid parasites from the gall bladders of labrid fishes from Heron Island, Queensland, Australia. *Parasitology International* 57: 158-165.
- Hill NJ, Deane EM, Power ML (2008) Prevalence and Genetic Characterization of Cryptosporidium Isolates from Urban-Adapted Common Brushtail Possums (*Trichosurus vulpecula*). *Applied and Environmental Microbiology* 74: 5549-5555.
- Hill NJ, Dubey JP, Vogelnest L, Power ML, Deane EM (2008). Do free-ranging common brushtail possums (*Vulpes trichosurus*) play a role in the transmission of *Toxoplasma gondii* within a zoo environment? *Veterinary Parasitology* 152: 202-209.
- Hufscmid, J., Beveridge, I. Handasyde, K., Spratt, D.M. Redescription of *Trichosurolelaps dixous* Domrow, 1972 from the possum (*Trichosurus cunninghami* in southeastern Australia. *Folia Parasitologica* : 301-308.
- Jenkins DJ, Allen L, Goullet M (2008). Encroachment of *Echinococcus granulosus* into urban areas in eastern Queensland, Australia. *Australian Veterinary Journal* 86: 294-300.
- Jirku M, Valigurova A, Koudela B, Krizek J, Modry D, Slapeta J (2008) New species of *Cryptosporidium* Tyzzer, 1907 (Apicomplexa) from amphibian host: morphology, biology and phylogeny. *Folia Parasitologica* 55: 81-94.
- Johnson J, Buddle R, Reid S, Armson A, Ryan U (2008). Prevalence of *Cryptosporidium* genotypes in pre and post-weaned pigs in Australia. *Experimental Parasitology*. 119: 418-421.
- Johnson J, Samarasinghe B, Buddle R, Armson A, Ryan U (2008). Molecular identification and prevalence of *Isospora* sp. in pigs in Western Australia using a PCR-RFLP assay. *Experimental Parasitology*. 120: 191-193.
- Johnston C, Deveney M, Nowak BF (2008). Gross and histopathological characteristics of two lipomas and a neurofibrosarcoma detected in aquacultured Southern bluefin tuna (*Thunnus maccoyii*) in South Australia, *Journal of Fish Diseases* B: 241-247.
- Jones C and Grutter AS (2008). Reef based micropredators affect the growth and survival of recently settled damselfishes. *Coral Reefs* 27: 677-684.
- Jones CM, Miller TL, Grutter AS, Cribb TH (2008). Natatory stage cymothoid isopods: description, molecular identification and evolution of attachment. *International Journal of Parasitology* 38: 477-491.
- Marina H, Beatty SJ, Morgan DL, Doupe RG, Lymbery AJ (2008) An introduced parasite, *Lernaea cyprinacea* L., found on native freshwater fishes in the south west of Western Australia. *Journal of the Royal Society of Western Australia* 91: 149-153.
- McCarthy S, Ng J, Gordon C, Miller R, Wyber A, Ryan UM (2008). Prevalence of *Cryptosporidium* and *Giardia* species in animals in irrigation catchments in the southwest of Australia. *Experimental Parasitology*. 118: 596-599.
- Morrison RN, Nowak BF (2008). Immunohistochemical detection of anterior gradient-2 in the gills of amoebic gill disease-affected Atlantic salmon (*Salmo salar* L.), *Journal of Fish Diseases* 31: 699-705.
- Mouahid G, Faliex E, Allienne J-F, Cribb TH (2008). *Proctophantastes brayi*, n. sp. (Digenea: Zoogonidae) parasite of the deep-sea fish *Polymixia* Lowe, 1838 from Vanuata. *Parasitology International* 57: 25-31.
- Ng J, Eastwood K, Durrheim D, Massey P, Walker B, Armson A, Ryan U. (2008). Evidence supporting zoonotic transmission of *Cryptosporidium* in rural New South Wales. *Experimental Parasitology*. 119: 192-195.
- Padula DJ, Daughtry BJ, Nowak BF (2008). Dioxins, PCBs, metals, metalloids, pesticides and antimicrobial residues in wild and farmed Australian southern bluefin tuna (*Thunnus maccoyii*) *Chemosphere* 72: 34-44.

Appendix 1 cont.

- Partridge GJ, Lymbery AJ, George RG (2008) Finfish mariculture in inland Australia: a review of potential water sources, species and production systems. *Journal of the World Aquaculture Society* 39: 291-310.
- Penfold R, Grutter AS, Kuris AM, McCormick MI, Jones C (2008). Interactions between *Acanthachromis polyacanthus* and gnathiid isopods – Predation or Parasitism? *Marine Ecology Progress Series* 357: 111-119.
- Poulin R, Beveridge I, Spratt DM (2008). Spatial scaling laws do not structure stronglyloid nematode communities in macropodid hosts. *International Journal for Parasitology* 38: 1171-1177.
- Power ML and Ryan UM (2008). A new species of *Cryptosporidium*. (Apicomplexa: Cryptosporidiidae) from eastern grey kangaroos (*Macropus giganteus*). *Journal of Parasitology* 94: 1114-1117.
- Power M and Ryan UM (2008). *Cryptosporidium macropodum* n.sp (Apicomplexa: Cryptosporidiidae) from eastern grey kangaroos *Macropus giganteus*. *Journal of Parasitology*. 94:1114-1117.
- Rowe A, Gondro C, Emery D, Sangster N (2008). Genomic analyses of *Haemonchus contortus* infection in sheep: Abomasal fistulation and two *Haemonchus* strains do not substantially confound host gene expression in microarrays. *Veterinary Parasitology* 154: 71-81.
- Rowe A, McMaster K, Emery D, Sangster N (2008). *Haemonchus contortus* infection in sheep: Parasite fecundity correlates with worm size and host lymphocyte counts. *Veterinary Parasitology* 153: 285-293.
- Ryan UM, Power ML, Xiao L (2008). *Cryptosporidium fayeri* n. sp. (Apicomplexa: Cryptosporidiidae) from the Red Kangaroo (*Macropus rufus*). *Journal of Eukaryotic Microbiology* 55: 22-26.
- Smith A., Clark P, Averis S, Lymbery AJ., Wayne AF, Morris KD, Thompson, RCA (2008) Trypanosomes in a declining species of threatened Australian marsupial, the brush-tailed bettong *Bettongia penicillata* (Marsupialia: Potoroidae). *Parasitology* 135: 1329-1335.
- Spratt DM, Beveridge I, Skerratt L, Speare R (2008). Guide to the identification of common parasites of Australian mammals. In *Medicine of Australian Mammals* (Eds. Vogelnest L & Woods R). CSIRO Publishing, Melbourne, pp. 639-658.
- Tang D, Andrews M, Cobroft JM (2008). The first Chondracanthid (Copepoda: Cyclopoida) reported from cultured fish, with a revised key to the species Chondracanthus, *Journal of Parasitology* 93: 788-795.
- Thompson J, Yang R, Power ML, Hufschmid J, Beveridge I, Reid S, Ng J, Armson A, Ryan U (2008). Identification of zoonotic *Giardia* genotypes in marsupials in Australia. *Experimental Parasitology* 120: 92-99. (Impact factor 1.597)
- van Hennekeler K, Jones RE, Skerratt LF, Fitzpatrick LA, Reid SA, Bellis GA (2008). A comparison of trapping methods for Tabanidae (Diptera) in North Queensland, Australia. *Medical and Veterinary Entomology* 22: 26-31.
- Vaughan D, Chisholm L, Christison K (2008). Overview of South African *Dendromonocotyle* (Monogenea: Monocotylidae), with descriptions of 2 new species from stingrays (Dasyatidae) kept in public aquaria. *Zootaxa* 1826: 26-44.
- Vincent BN, Nowak BF, Morrison RN (2008). Detection of serum anti-*Neoparamoeba* spp. antibodies in amoebic gill disease affected Atlantic salmon. *Journal of Fish Biology* 73: 429-435.
- Weaver HJ and Smales LR (2008). New species of *Syphacia* (*Syphacia*) Seurat (Nematoda: Oxyuridae) from *Pseudomys* species (Rodentia: Muridae) from central Australia. *Zootaxa* 1775: 39-50.
- Whittington ID and Kearn GC (2008). *Trimusculotrema heronensis* sp. nov. (Monogenea, Capsalidae) from the skin of the pink whipray *Himantura fai* (Elasmobranchii, Dasyatidae) from Heron Island, Queensland, Australia. *Acta Parasitologica* 53: 251-257. DOI: 10.2478/s11686-008-0044-5.
- Wynne JW, Sullivan MGO, Cook MT, Stone G, Nowak BF, Lovell, DR, Elliott GN (2008). Transcriptome response of

Appendix 1 cont.

Atlantic salmon (*Salmo salar*) displaying advanced stages of Amoebic Gill Disease (AGD) following acute infection, *Marine Biotechnology* 10: 388-403.

Wynne JW, O'Sullivan MG, Stone G, Cook MT, Nowak BF, Lovell DR, Taylor RS, Elliott NG (2008). Resistance to amoebic gill disease (AGD) is characterised by transcriptional dysregulation of immune and cell cycle pathways, *Developmental and Comparative Immunology* 32: 1539-1560.

Xiao L and Ryan UM (2008). Molecular typing and distribution. In: *Cryptosporidium and Cryptosporidiosis*. (ed R. Fayer and L. Xiao). CRC Press, Taylor and Francis Group, Boca Raton. pp 119-172.

Young D, Cooper GA, Nowak BF, Koop BF, Morrison RN (2008). Coordinated down-regulation of the antigen processing machinery in the gills of amoebic gill disease-affected Atlantic salmon (*Salmo salar* L.). *Molecular Immunology* 45: 2581-2597.

Young ND, Dyková I, Snekvik K, Nowak BF, Morrison RN (2008). *Neoparamoeba perurans* is a cosmopolitan aetiological agent of amoebic gill disease. *Diseases of Aquatic Organisms* 78: 217-223.

[2] PROMOTING AND MAINTAINING GOOD HEALTH

Anders RF (2008). Malaria vaccine warrants more support. *Australasian Science* Sept: 42.

Appleyard B, Tunj M, Cheng Q, Chen N, Bryan J and McCarthy JS (2008). Malaria in pregnancy in the Solomon Islands: barriers to prevention and control. *Am J Trop Med Hyg* 78: 449-454.

Arnaud V, Fu X, Wang Y, Mengzhi S, Li J, Hou X, Luo X, Dessein H, Jie Z, Xin-Ling Y, He H, McManus DP, Li YS, Dessein A (2008). Cytokines in severe hepatic central and peripheral fibrosis in humans infected with *Schistosoma japonicum*: IL-10 and IFN- γ likely play crucial regulatory roles. *Journal of Infectious Diseases* 198: 418-426.

Baum J, Gilberger TW, Frischknecht F, Meissner M (2008).

Host-cell invasion by malaria parasites: insights from *Plasmodium* and *Toxoplasma*. *Trends in Parasitology* 24: 557-563.

Baum J, Tonkin CJ, Paul AS, Rug M, Smith BJ, Gould SB, Richard D, Pollard TD, Cowman AF (2008). A Malaria Parasite Formin Regulates Actin Polymerization and Localizes to the Parasite-Erythrocyte Moving Junction during Invasion. *Cell Host Microbe* 3: 188-98.

Beeson JG, Osier FHA, Engwerda CR (2008). Recent insights into humoral and cellular immune responses against malaria. *Trends in Parasitol* 24: 578.

Beeson JG (2008). Characteristics of *Plasmodium falciparum*-infected-erythrocyte adhesion to chondroitin sulfate. *Infection and Immunity* 76: 2808-2808.

Beeson JG, Elliott SR, Hommel M (2008). Polymorphic and conserved targets of antibodies against *Plasmodium falciparum* during pregnancy. *Journal of Infectious Diseases* 197: 1350-1351.

Belnoue E, Potter S, Rosa DS, Mauduit M, Grüner AC, Kayibanda M, Mitchell AJ, Hunt NH, Réna L (2008). Control of pathogenic CD8+ T cell migration to the brain by IFN- γ during experimental cerebral malaria. *Parasite Immunology* 30: 544-553.

Bethony JM, Diemert DJ, Oliveira SC, Loukas A (2008). Can schistosomiasis really be consigned to history without a vaccine? *Vaccine* 26: 3373-3376.

Bethony JM, Loukas A (2008). The Schistosomiasis Research Agenda-What Now? *Plos Neglected Tropical Diseases* 2: e207.

Black CG, Proellocks NI, Kats LM, Cooke BM, Mohandas N, Coppel RL (2008) In vivo studies support the role of trafficking and cytoskeletal binding motifs in the interaction of MESA with the membrane skeleton of *Plasmodium falciparum*-infected red blood cells. *Mol Biochem Parasitol* 160: 143-147. (IF: 2.896)

Boeuf P, Tan A, Romagosa C, Radford J, Mwapasa V, Molyneux ME, Meshnick SR, Hunt NH, Rogerson SJ (2008). Placental hypoxia during placental malaria. *Journal of*

Appendix 1 cont.

Infectious Diseases 197: 757-765.

Borowski H, Clode PL, Thompson RCA (2008). Active invasion and/or encapsulation? A reappraisal of host-cell parasitism by *Cryptosporidium*. *Trends in Parasitology* 24: 509-516.

Bowles V M, Young A R, Barker SC (2008). Metalloproteases and egg-hatching in *Pediculus humanus*, the body (clothes) louse of humans (Phthiraptera: Insecta). *Parasitology* 135: 125-130.

Chen N, Gao Q, Wang SQ, Wang GZ, Gatton M and Cheng Q (2008). No genetic bottle-neck in *Plasmodium falciparum* wild type pfcr1 alleles re-emerging in Hainan Island, China following high-level Chloroquine resistance. *Antimicrob Agent Chemother* 52: 345-347. (IP=4.153)

Clucas DB, Carville KS, Connors C, Currie BJ, Carapetis JR, Andrews RM (2008). Disease burden and health care attendances for young children in remote Aboriginal communities of northern Australia. *Bull WHO* 86: 275-281.

Conlan J, Khounsy S, Inthavong P, Fenwick S, Blacksell S, Thompson RCA (2008). A review of taeniasis and cysticercosis in the Lao People's Democratic Republic. *Parasitology International* 57: 252-255.

Cooke BM, Crabb BS, Cowman A (2008). Spotlight on malaria: MAM2008. *Trends Parasitol* 24: 531.

Cox-Singh J, Davis TME, Lee KS, Shamsul SSG, Matusop A, Ratnam S, Rahman HA, Conway DJ, Singh B (2008). *Plasmodium knowlesi* malaria in humans is widely distributed and potentially life threatening. *Clinical Infectious Diseases* 46:165-171.

Davis XM, MacDonald S, Borwein S, Freedman DO, Lozarsky PE, von Sonnenburg F, Keystone JS, Lim PL, Marano N, GeoSentinel Surveillance Network. Anglim A, Ansdell V, Brown G, Torresi J, Burchard GD, Chen LH, Connor BA, Delmont J, Parola P, Simon F, Field V, Gurtman A, Hale DC, Gelman SS, Jong EC, Haulman NJ, Roesel D, Kanagawa S, Kain KC, Franco-Paredes C, Libman MD, MacLean JD, Wilder-Smith A, Loutan L, Chappuis F, Lynch MW, McCarthy A, McLellan S, Nutman TB, Klion AD, Pandey P, Piyaphanee

W, Silachamroon U, Sack RB, McKenzie R, Sagara H, Schwartz E, Shaw M, Stauffer WM, Walker PF, Steffen R, Schlagenhauf P, Weber R, Wilson ME (2008). Health risks in travelers to China: the GeoSentinel experience and implications for the 2008 Beijing Olympics. *Am J Trop Med Hyg* 79: 4-8.

de Koning-Ward TF, Drew DR, Chesson JM, Beeson JG, Crabb BS (2008). Truncation of *Plasmodium berghei* merozoite surface protein 8 does not affect *in vivo* blood-stage development. *Mol Biochem Parasitol* 159: 69-72.

de Koning-Ward TF, Olivieri A, Bertuccini L, Hood A, Silvestrini F, Charvalias K, Berzosa Díaz P, Camarda G, McElwain TF, Papenfuss T, Healer J, Baldassarri L, Crabb BS, Alano P, Ranford-Cartwright LC (2008) The role of osmiophilic bodies and Pfg377 expression in female gametocyte emergence and mosquito infectivity in the human malaria parasite *Plasmodium falciparum*. *Mol Microbiol* 67: 278-290.

Dembo EG, Mwapasa V, Montgomery J, Craig AG, Porter KA, Meshnick SR, Molyneux ME, Rogerson SJ (2008). Impact of human immunodeficiency virus infection in pregnant women on variant-specific immunity to malaria. *Clin Vaccine Immunol* 15: 617-21.

Dixon MW, Hawthorne PL, Spielmann T, Anderson KL, Trenholme KR, Gardiner DL (2008). Targeting of the ring exported protein 1 to the Maurer's clefts is mediated by a two-phase process. *Traffic* 9: 1316-1326.

Dixon MW, Thompson J, Gardiner DL, Trenholme KR (2008). Sex in *Plasmodium*: a sign of commitment. *Trends Parasitol* 24: 168-175.

Dobaño C, Rogerson SJ, Mackinnon MJ, Cavanagh DR, Taylor TE, Molyneux ME, McBride JS (2008). Differential antibody responses to *Plasmodium falciparum* merozoite proteins in Malawian children with severe malaria. *J Infect Dis* 197: 766-74. (IF 6.035).

D'Ombra MC, Robinson LJ, Stanisic DI, Taraika J, Bernard N, Michon P, Mueller I, Schofield L (2008). Association of Early Interferon-gamma Production with Immunity to Clinical Malaria: A Longitudinal Study among Papua New Guinean

Appendix 1 cont.

- Children. *Clinical Infectious Diseases*: 47: 1380-1387.
- Dondorp AM, Lee SJ, Faiz MA, Mishra S, Price R, Tjitra E, Than M, Htut Y, Mohanty S, Yunus EB, Rahman R, Nosten F, Anstey NM, Day NP, White NJ (2008). The relationship between age and the manifestations of and mortality associated with severe malaria. *Clin Infect Dis* 47: 151-157.
- Donnelly, S., Stack C.M., O'Neill, S.M., Sayed, A.A., Williams, D.L., and Dalton, J.P. (2008) Helminth 2-Cys peroxiredoxin drives Th2 responses through a mechanism involving alternatively activated macrophages. *FASEB Journal* 22: 4022-4032.
- Elliott SR, Beeson JG (2008). Estimating the burden of global mortality in children aged < 5 years by pathogen-specific causes. *Clinical Infectious Diseases* 46: 1794-1795.
- Ellis MK, Li YS, Hou X, Chen H, McManus DP (2008). TNFR-II and sICAM-1 are associated with acute disease and hepatic inflammation in *schistosomiasis japonica*. *International Journal for Parasitology* 38: 717-723.
- Fotadar R, Stark D, Marriott D, Ellis J, Harkness J (2008). *Entamoeba moshkovskii* infections in Sydney, Australia. *European Journal of Clinical Microbiology & Infectious Diseases* 27: 133-137.
- Frances SP, Baade LM, Kubofcik J, Nutman TB, Melrose WD, McCarthy JS, Nissen MD (2008). Seroconversion to filarial antigens in Australian defence force personnel in Timor-Leste. *American Journal of Tropical Medicine and Hygiene* 78: 560-563.
- Gatton, ML. and Cheng Q (2008) Can estimates of antimalarial efficacy from field studies be improved? *Trends Parasitol* 24: 68-73.
- Gavidia CM, Gonzalez AE, Zhang W, McManus DP, Lopera L, Ninaquispe B, Garcia HH, Rodríguez S, Verastegui M, Calderon C (2008). Study of cystic echinococcosis in nine Peruvian Highland communities using four diagnostic methods. *Emerging Infectious Diseases* 14: 260-266.
- Genton B, D'Acremont V, Rare L, Bae K, Reeder JC, Alpers MP, Müller I (2008) *Plasmodium vivax* and mixed infections are associated with severe malaria: A prospective cohort study from Papua New Guinea. *PLoS Medicine* 5: e127.
- Gould SB, Waller RF, McFadden GI (2008). Plastid evolution. *Annu Rev Plant Biol* 59: 491-517.
- Gould SB, Tham WH, Cowman AF, McFadden GI, Waller RF (2008). Alveolins, a new Family of Cortical Proteins that Define the Protist Infrakingdom Alveolata. *Mol Biol Evol.* 25:1219-1230.
- Haase S, Cabrera A, Langer C, Treck M, Struck N, Herrmann S, Jansen PW, Bruchhaus I, Bachmann A, Dias S, Voss TS, Tonkin CJ, Marty AJ, Thompson JK, Healer J, Crabb BS and Cowman AF, Stunnenberg HG, Spielmann T, Gilberger TW (2008). Characterization of a conserved rho-tryptophan-associated leucine zipper-like protein in the malaria parasite *Plasmodium falciparum*. *Infect Immun* 76: 879-887.
- Jones MK, Lustigman S, Loukas A (2008). Tracking the odysseys of juvenile schistosomes to understand host interactions. *PLoS Neglected Tropical Diseases*, 2, e257.
- Kaewpitoon N, Laha T, Kaewkes S, Yongvanit P, Brindley PJ, Loukas A, Sripan B (2008). Characterization of cysteine proteases from the carcinogenic liver fluke, *Opisthorchis viverrini*. *Parasitology Research* 102:757-764.
- Karunajeewa HA, Mueller I, Senn M, Lin E, Law I, Gomorrai PS, Oa O, Griffin S, Kotab K, Suano P, Tarongka N, Ura A, Lautu D, Page-Sharp M, Wong R, Salman S, Siba P, Ilett KF, Davis TME (2008). A Trial of Combination Antimalarial Therapies in Children from Papua New Guinea. *New England Journal of Medicine* 359: 2545-2557.
- Karunajeewa HA, Ilett KF, Mueller I, Siba P, Law I, Page-Sharp M, Lin E, Lammey J, Batty KT, Davis TME (2008). Pharmacokinetics and efficacy of piperazine and chloroquine in melanesian children with uncomplicated malaria. *Antimicrobial Agents and Chemotherapy* 52: 237-243.
- Karyana M, Burdarm L, Yeung S, Kenangalem E, Wariker N, Maristela R, Umana KG, Vemuri R, Okoseray MJ, Penttinen PM, Ebsworth P, Sugiarto P, Anstey NM, Tjitra E, Price RN (2008). Malaria morbidity in Papua Indonesia, an area with multidrug resistant *Plasmodium vivax* and *Plasmodium*

Appendix 1 cont.

falciparum. *Malaria J* 7: 148.

Kedzierski L, Curtis JM, Doherty PC, Handman E, Kedzierska K (2008). Decreased IL-10 and IL-13 production and increased CD44(hi) T cell recruitment contribute to *Leishmania* major immunity induced by non-persistent parasites. *European Journal of Immunology* 38: 3090-3100.

Law I, Ilett KF, Hackett LP, Page-Sharp M, Baiwog F, Gomorrai S, Mueller I, Karunajeewa HA, Davis TME (2008). Transfer of chloroquine and desethylchloroquine across the placenta and into milk in Melanesian mothers. *British Journal of Clinical Pharmacology* 65: 674-679.

Le TH, De NV, Agatsuma T, Nguyen TGT, Nguyen QD, McManus DP, Blair D (2008). Human fascioliasis and the presence of hybrid/introgressed forms of *Fasciola* in Vietnam. *International Journal for Parasitology* 38: 725-730.

Lee SJ, Stepniewska K, Anstey NM, Ashley E, Barnes K, Tran QB, D'Allessandro U, Day NJ, de Vries PJ, Dorsey G, Guthmann J-P, Mayxay M, Newton P, Nosten F, Olliaro P, Osario P, Pinoges L, Price R, Rowland M, Smithuis F, Taylor R, White NJ (2008). The relationship between the haemoglobin concentration and the haematocrit in *Plasmodium falciparum* malaria. *Malaria J* 7: 149.

Lek-Uthai U, Suwanarusk R, Ruengweerayut R, Skinner-Adams TS, Nosten F, Gardiner DL, Boonma P, Piera KA, Andrews KT, Machunter B, McCarthy JS, Anstey NM, Price RN, Russell B (2008). Stronger activity of human immunodeficiency virus type 1 protease inhibitors against clinical isolates of *Plasmodium vivax* than against those of *P. falciparum*. *Antimicrobial Agents and Chemotherapy* 52: 2435-2441.

Lundie RJ, de Koning-Ward, Davey GM, Nie CQ, Hansen DS, Lau LS, Mintern JD, Belz GT, Schofield L, Carbone FR, Villadangos JA, Crabb BS & Heath WR (2008) Blood-stage *Plasmodium* infection induces CD8+ cytotoxic T lymphocyte effectors specific for parasite-expressed antigens, largely regulated by CD8 α + dendritic cells. *PNAS* 105: 14509-14514.

McManus DP (2008). Taenia in the gastrointestinal tract.

New England Journal of Medicine 358: 311.

McManus DP, Gray DJ, Williams GM, Li YS (2008). Responses: Multi-host transmission dynamics of *Schistosoma japonicum*: the China perspective. *PLoS Medicine* 5: e18.

McManus DP and Yang YR (2008). Helminthic diseases: Echinococcosis. In: *International Encyclopedia of Public Health* (eds. Heggenhougen HK, Quah SR). Academic Press, San Diego, USA, vol 3: 311-316.

Milner DA Jr, Montgomery J, Seydel KB, Rogerson SJ (2008). Severe malaria in children: an update and perspective *Trends Parasitol* 24: 590-595.

Murhandarwati EE, Black CG, Wang L, Weisman S, Koning-Ward TF, Baird JK, Tjitra E, Richie TL, Crabb BS, Coppel RL (2008). Acquisition of Invasion-Inhibitory Antibodies Specific for the 19-kDa Fragment of Merozoite Surface Protein 1 in a Transmigrant Population Requires Multiple Infections. *J Infect Dis* 198:1212-1218.

Peng H, Song K, Huang C, Ye S, Song H, Hu W, Han Z, McManus DP, Zhao G, Zhang Q (2008). Expression, immunolocalization and serodiagnostic value of a myophilin-like protein from *Schistosoma japonicum*. *Experimental Parasitology* 119: 117-124.

Persson KE, McCallum FJ, Reiling L, Lister NA, Stubbs J, Voss TS, Tonkin CJ, Marty AJ, Thompson JK, Healer J, Crabb BS and Cowman AF, Marsh K, Beeson JG (2008). Variation in use of erythrocyte invasion pathways by *Plasmodium falciparum* mediates evasion of human inhibitory antibodies. *J Clin Invest* 118: 342-351.

Phuc BQ, Caruana SR, Cowman AF, Biggs BA, Thanh NV, Tien NT, Thuan le K (2008). Prevalence of polymorphisms in dhfr, dhps, pfmdr1 and pfcr1 genes of *Plasmodium falciparum* isolates in Quang Tri Province, Vietnam. *Southeast Asian J Trop Med Public Health* 39: 959-962.

Poespoprodjo JR, Fobia W, Kenangalem E, Lampah DA, Warikar N, Seal A, McGready R, Sugiarto P, Tjitra E, Anstey NM, Price RN (2008). Adverse pregnancy outcomes associated with multidrug resistant *P. vivax* and *P. falciparum* infection. *Clin Infect Dis* 46: 1374-1381.

Appendix 1 cont.

- Rogerson SJ and Carter R (2008). Severe *vivax* malaria: Newly recognised or rediscovered? *PLoS Med.* 5: 875-77.
- Ruysers NE, De Winter BY, De Man JG, Loukas A, Herman AG, Pelckmans PA, Moreels TG (2008). Worms and the treatment of inflammatory bowel disease: Are molecules the answer? *Clinical & Developmental Immunology* Article Number: 567314.
- Sharrock WW, Suwanarusk R, Lek-Uthai U, Edstein M, Kosaisavee V, Travers T, Jaidee A, Sriprawat K, Price RN, Nosten F, Russell B (2008). *Plasmodium vivax* trophozoites insensitive to chloroquine. *Malaria Journal* 7: 94.
- Simsek S, Utuk AE, McManus DP, Koroglu E (2008). Molecular genetic characterization of Turkish isolates of *Echinococcus granulosus*. *Acta Tropica* 107: 192-194.
- Skinner-Adams TS, McCarthy JS, Gardiner DL, Andrews KT (2008). HIV and malaria co-infection: Interactions and consequences of chemotherapy. *Trends in Parasitology* 24: 264-271.
- Stark D, van Hal S, Fotedar R, Butcher A, Marriott D, Ellis J, Harkness J (2008). Comparison of stool antigen detection kits to PCR for diagnosis of amebiasis. *Journal of Clinical Microbiology* 46: 1678-1681.
- Stepniewska K, Price RN, Sutherland CJ, Drakeley CJ, von Seidlein L, Nosten F, White NJ (2008). *Plasmodium falciparum* gametocyte dynamics in areas of different malaria endemicity. *Malar J* 7: 249.
- Ter Kuile FO and Rogerson SJ (2008). *Plasmodium vivax* infection during pregnancy: an important problem in need of new solutions. *Clin Infect Dis* 46: 1382-1384.
- Teixeira-Carvalho A, Fujiwara RT, Stemmy EJ, Olive D, Damsker JM, Loukas A, Correa-Oliveira R, Constant SL, Bethony JM (2008). Binding of Excreted and/or Secreted Products of Adult Hookworms to Human NK Cells in *Necator americanus*-Infected Individuals from Brazil. *Infection and Immunity* 76: 5810-5816.
- Tjitra E, Anstey NM, Sugiarto P, Warikar N, Kenangalem E, Karyana M, Lampah DA, Price DA (2008). Multidrug-resistant *Plasmodium vivax* associated with severe and fatal malaria: A prospective study in Papua, Indonesia. *PLoS Med* 5: e128.
- Walton SF, Beroukas D, Roberts-Thomson P, Currie BJ (2008). New insights into disease pathogenesis in crusted (Norwegian) scabies. *Brit J Derm* 158: 1247-1255.
- Woodberry T, Minigo G, Kim A, Piera KA, Jennifer C, Hanley JC, de Silva HD, Ervi Salwati E, Kenangalem E, Tjitra E, Coppel RL, Price RN, Anstey NM, Plebanski M (2008). Antibodies to *P. falciparum* and *P. vivax* merozoite surface protein 5 (MSP5) in Indonesia: species-specific and cross-reactive responses. *J Infect Dis* 198: 134-142.
- Wykes MN and Good MF (2008). What really happens to dendritic cell during malaria? *Nature Reviews Microbiology* 6: 864-870.
- Yosaatmadja F, Andrews KT, Duffy MF, Brown GV, Beeson JG, Rogerson SJ. (2008) Characterization of VAR2CSA-deficient *Plasmodium falciparum*-infected erythrocytes selected for adhesion to the BeWo placental cell line. *Malaria J* 7: 51.
- Yeo TW, Lampah DA, Gitawati R, Tjitra E, Kenangalem E, McNeil YR, Darcy CS, Granger DL, Weinberg JB, Lopansri BK, Price RN, Duffull SB, Celermajer DS, Anstey NM (2008). Recovery of endothelial function in severe malaria: Relationship with improvement in plasma L-arginine and blood lactate concentrations. *J Infect Dis* 198: 602-608.
- Yeo TW, Lampah DA, Gitawati R, Tjitra E, Kenangalem E, Piera K, Price RN, Duffull SB, Celermajer DS, Anstey NM (2008). Angiopoietin-2 in severe *falciparum* malaria: association with decreased endothelial nitric oxide and poor clinical outcome. *PNAS* 105: 17097-17102.
- Zikova A, Panigrahi AK, Uboldi AD, Dalley RA, Handman E, Stuart K (2008). Structural and Functional Association of *Trypanosoma brucei* MIX Protein with Cytochrome c Oxidase Complex. *Eukaryotic Cell* 7:1994-2003.

[3] FRONTIER TECHNOLOGIES

Alagappan A, Tujula N, Power ML, Ferguson CM, Bergquist PL, Ferrari BC (2008). Development of Fluorescent *in situ*

Appendix 1 cont.

Hybridisation for *Cryptosporidium* detection reveals zoonotic and anthroponotic transmission of sporadic cryptosporidiosis in Sydney. *Journal of Microbiological Methods* 75: 535-579.

Andrews KT, Tran TN, Lucke AJ, Kahnberg P, Le GT, Boyle GM, Gardiner DL, Skinner-Adams TS, Fairlie DP (2008). Potent antimalarial activity of histone deacetylase inhibitor analogues. *Antimicrobial Agents and Chemotherapy* 52: 1454-1461. epub Jan22.

Barclay VC, Chan BH, Anders RF, Read AF (2008). Mixed allele malaria vaccines: host protection and within-host selection. *Vaccine* 11: 26(48): 6099-107.

Bartley PB, Glanfield A, Li Y, Stanisic D, Duke M, Jones MK, McManus DP (2008). Artemether treatment of prepatent *Schistosoma japonicum* induces resistance to reinfection in association with reduced pathology. *American Journal of Tropical Medicine and Hygiene* 78: 929-935.

Batty KT, Gibbons PL, Davis TME, Ilett KF (2008). Pharmacokinetics of dihydroartemisinin in a murine malaria model. *American Journal of Tropical Medicine and Hygiene* 78: 641-642

Batty KT, Moore BR, Stirling V, Ilett KF, Page-Sharp M, Shilkin KB, Keith B, Mueller I, Karunajeewa HA, Davis TME (2008). Toxicology and pharmacokinetics of piperazine in mice. *Toxicology* 249: 55-61.

Bergquist R and McManus DP (2008). Strategy for the development of a vaccine against schistosomiasis. In: *Important Helminth Infections in Southeast Asia*. RNAS+, UNICEF/UNDP/World Bank/WHO Special Programme for Research and Training in Tropical Diseases (TDR) 98-108.

Bergquist R, Utzinger J, McManus DP (2008). Trick or treat: the role of vaccines in integrated schistosomiasis control. *PLoS Neglected Tropical Diseases* 2: e244.

Boufana BS, Campos-Ponce M, Naidich A, Buishi I, Lahmar S, Zeyhle E, Jenkins DJ, Combes B, Wen H, Xiao N, Nakao M, Ito A, Qiu J, Craig PS (2008). Evaluation of three PCR assays for the identification of the sheep strain (Genotype 1) of *Echinococcus granulosus* in canid feces and parasite tissues. *American Journal of Tropical Medicine and Hygiene*.

78: 777-783.

Boxell A, Chin Lee SH, Jefferies R, Watt P, Hopkins R, Sotzik F, Reid S, Armson A, Ryan U (2008). Pyrrocoricin as a potential drug delivery vehicle for *Cryptosporidium parvum*. *Experimental Parasitology*. 119: 301-303.

Boxell A, Hijawi N, Monis P, Ryan U (2008). Comparison of various staining methods for the detection of *Cryptosporidium* in cell-free culture. *Experimental Parasitology*. 120: 67-72.

Carlton JM, Adams JH, Silva JC, Bidwell SL, Lorenzi H, Caler E, Crabtree J, Angiuoli SV, Merino EF, Amedeo P, Cheng Q, Coulson RM, Crabb BS, Del Portillo HA, Essien K, Feldblyum TV, Fernandez-Becerra C, Gilson PR, Gueye AH, Guo X, Kang'a S, Kooij TW, Korsinczky M, Meyer EV, Nene V, Paulsen I, White O, Ralph SA, Ren Q, Sargeant TJ, Salzberg SL, Stoeckert CJ, Sullivan SA, Yamamoto MM, Hoffman SL, Wortman JR, Gardner MJ, Galinski MR, Barnwell JW, Fraser-Liggett CM (2008) Comparative genomics of the neglected human malaria parasite *Plasmodium vivax*. *Nature* 455: 757-763.

Casey JL, Coley AM, Foley M (2008). Phage display of peptides in ligand selection for use in affinity chromatography. In *Affinity Chromatography: Methods and Protocols*, Second Edition, The Humana Press Inc. Methods Mol Biol 421: 111-24.

Chin Lee SH, Jefferies R, Watt P, Hopkins R, Sotzik F, Reid S, Armson A, Boxell A, Ryan U (2008). In vitro analysis of the TAT protein transduction domain as a drug delivery vehicle in protozoan parasites. *Experimental Parasitology*. 118: 303-307.

Chow C, Gauci CG, Vural G, Jenkins DJ, Heath DD, Rosenzvit MC, Harandi MF, Lightowlers MW (2008). *Echinococcus granulosus*: variability of the host-protective EG95 vaccine antigen in G6 and G7 genotypic variants. *Exp Parasitol* 119: 499-505.

Creek DJ, Chalmers DK, Charman WN, Duke BJ (2008). Quantum chemical study of the intermediate complex required for iron-mediated reactivity and antimalarial activity of dispiro-1,2,4-trioxolanes. *Journal of Molecular Graphics*

Appendix 1 cont.

and Modelling 27: 394-400.

Creek DJ, Charman WN, Chiu FCK, Prankerd RJ, Dong Y, Vennerstrom JL, Charman SA (2008). Relationship between antimalarial activity and heme alkylation for spiro- and dispiro-1,2,4-trioxolane antimalarials. *Antimicrobial Agents and Chemotherapy* 52: 1291-1296.

Crespo M, Avery TD, Hanssen E, Fox E, Robinson TV, Valente P, Taylor DK, Tilley L (2008). Artemisinin and a series of novel endoperoxide antimalarials exert early effects on digestive vacuole integrity. *Antimicrobial Agents and Chemotherapy* 52: 98-109.

Da'Dara AA, Li YS, Xiong T, Zhou J, Williams GA, McManus DP, Feng Z, Yu XL, Gray DJ, Harn DA (2008). DNA-based vaccine protects against zoonotic schistosomiasis in water buffalo. *Vaccine* 26: 3617-3625.

Danquah MK, Liu S, Ho J, Forde GM, Wang L, Coppel RL (2008). Rapid Production of a Plasmid DNA Encoding a Malaria Vaccine Candidate via Amino-Functionalized Poly(GMA-co-EDMA) Monolith. *AIChE Journal* 54: 2990-2998

Datu BJD, Gasser RB, Nagaraj SH, Ong EK, O'Donoghue P, McInnes RL, Ranganathan S, Loukas A (2008). Transcriptional changes in the third-stage larva of *Ancylostoma caninum* (Nematoda) following *in vitro* serum-stimulation, employing a suppressive-subtractive hybridization-based oligonucleotide microarray approach. *PLoS Neglected Tropical Diseases* 2: e130.

Dobaño C, Weiss WR, Kamrud KI, Chulay JD, Smith J, Carucci DJ, Doolan DL (2008). Alphavirus replicon particles are highly immunogenic in the murine malaria model when administered by either homologous or heterologous immunization regimens. *Open Vaccine J* 1: 27-37.

Doolan DL (2008). The path of discovery. *Hum Vacci* 4: 324-6.

Doolan DL, Mu Y, Unal B, Sundaresh S, Hirst S, Valdez C, Randall A, Molina D, Liang X, Freilich DA, Oloo JA, Blair PL, Aguiar JC, Baldi P, Davies DH, Felgner PL (2008). Profiling humoral immune responses to *P. falciparum* infection with

protein microarrays. *Proteomics* 8: 4680-94.

Donald D, Chen YP, Hartman D, Zawadzki JL (2008). *Haemonchus contortus*: Evaluation of two signal sequence trapping systems for detection of secreted molecules. *Experimental Parasitology* 119: 49-57.

Dow GS, Chen Y, Andrews KT, Caridha D, Gerena L, Gettayacamin M, Johnson J, Li Q, Melendez V, Obaldia N 3rd, Tran TN, Kozikowski AP (2008) Antimalarial activity of phenylthiazolyl-bearing hydroxamate-based histone deacetylase inhibitors. *Antimicrobial Agents and Chemotherapy* 52: 3467-3477.

Downie MJ, Kirk K, Ben Mamoun C (2008). Purine salvage pathways in the intraerythrocytic malaria parasite. *Eukaryotic Cell* 7: 1231-1237.

Downie MJ, Saliba KJ, Bröer S, Howitt SM, Kirk K (2008). Purine nucleobase transport in the intraerythrocytic malaria parasite. *Int J Parasitol* 38: 203-209.

Ellis JT, Miller CM, Quinn HE, Ryce C, Reichel MP (2008). Evaluation of four recombinant proteins of *Neospora caninum* as vaccine candidates (in a mouse model) *Vaccine* 26: 5989-96.

Embar -Gopinath S, Crosbie P, Nowak BF (2008). A culture dependent 16S RNA gene-based approach to identify bacteria associated with amoebic gill disease in Atlantic salmon, *Bulletin of European Association of Fish Pathologists* 28: 27-34.

Engwerda, CR and Good MF (2008). Disarming the malaria parasite. *Nature Medicine* 14: 912-913.

Fairlie WD, Spurck TP, McCoubrie JE, Gilson PR, Miller SK, McFadden GI, Malby R, Crabb BS, Hodder A (2008). Inhibition of malaria parasite development by a cyclic peptide that targets the vital parasite protein, SERA5. *Infect Immun* 76: 4332-4344.

Fernandez L, Jobling M, Andrews KT, Avery V (2008) Antimalarial activity of natural product extracts from Papua New Guinean and Australian plants against *Plasmodium falciparum*. *Phytotherapy Research* 22: 1409-1412.

Fujita Y, Abdel-Aal A-BM, Wimmer N, Batzloff MR, Good

Appendix 1 cont.

- MF, Toth I (2008). Synthesis and immunological evaluation of self-adjuvanting glycolipopeptide vaccine candidates. *Bioorganic & Medicinal Chemistry* 16: 8907-8913.
- Gasser RB, Bott NJ, Chilton NB, Hunt PR, Beveridge I (2008). Toward practical DNA-based diagnostic methods for parasitic nematodes of livestock – bionomic and biotechnological implications. *Biotechnology Advances*. 26: 325-334
- Gasser RB, Cantacessi C, Loukas A (2008). DNA technological progress toward advanced diagnostic tools to support human hookworm control. *Biotechnology Advances* 26: 35-45.
- Gauci C, Vural G, Oncel T, Varcasia A, Damian V, Kyngdon CT, Craig PS, Anderson GA, Lightowlers MW (2008). Vaccination with recombinant oncosphere antigens reduces the susceptibility of sheep to infection with *Taenia multiceps*. *Int J Parasitol* 38: 1041-1050.
- Gilson PR, O'Donnell RA, Nebl T, Sanders PR, Wickham ME, McElwain TF, de Koning-Ward TF, Crabb BS (2008) MSP1(19) miniproteins can serve as targets for invasion inhibitory antibodies in *Plasmodium falciparum* provided they contain the correct domains for cell surface trafficking. *Mol Microbiol* 68: 124-38.
- Gobert GN and Jones MK (2008). Discovering new schistosome drug targets: the role of transcriptomics. *Current Drug Targets*, 9: 922-930.
- Goff WL, Johnson WC, Molloy JB, Jorgensen WK, Waldron SJ, Figueroa JV, Matthee O, Adams DS, McGuire TC, Pino I, Mosqueda J, Palmer GH, Suarez CE, Knowles DP, McElwain TF (2008). Validation of a competitive enzyme-linked immunosorbent assay for detection of *Babesia bigemina* antibodies in cattle. *Clinical and Vaccine Immunology* 15: 1316-1321.
- Goodman CD and McFadden GI (2008). Fatty acid synthesis in protozoan parasites: unusual pathways and novel drug targets. *Curr Pharm Des* 14: 901-916.
- Goodman CD and McFadden GI (2008). Gamete fusion: key protein identified. *Curr Biol* 18: R571-573.
- Grech K, Chan BH, Anders RF, Read AF (2008). The impact of immunization on competition within *Plasmodium* infections. *Evolution* 62 :2359-71.
- Handman E, Kedzierski L, Uboldi AD, Goding JW (2008). Fishing for anti-leishmania drugs: Principles and problems. Drug Targets in Kinetoplastid Parasites Book Series: *Advances in Experimental Medicine and Biology*: 625: 48-60.
- Hanssen E, Hawthorne P, Dixon MW, Trenholme KR, McMillan PJ, Spielmann T, Gardiner DL, Tilley L (2008). Targeted mutagenesis of the ring-exported protein 1 of *Plasmodium falciparum* disrupts the architecture of Maurer's cleft organelles. *Mol Microbiol* 69: 938-953. Epub 2008 Jun 28.
- Hanssen E, Sougrat R, Frankland S, Deed S, Klonis N, Lippincott-Schwartz J, Tilley L (2008). Electron tomography of the Maurer's cleft organelles of *Plasmodium falciparum*-infected erythrocytes reveals novel structural features. *Molecular Microbiology* 67: 703-718 (IF: 5.634).
- Hawkins VN, Auliff A, Prajapati S, Rungsihirunrat K, Hapuarachchi C, Maestre A, O'Neil MT, Cheng Q, Joshi H, Na-Bangchang K and Sibley CH (2008) Multiple origins of resistance-conferring mutations in *Plasmodium vivax* dihydrofolate reductase. *Malaria J* 7: 72. (IP=2.748)
- Hodel EM, Marfurt J, Müller D, Rippert A, Borrmann S, Müller I, Reeder JC, Siba P, Beck H-P (2008) Lack of multiple copies of pfmdr1 genes in Papua New Guinea. *Trans Roy Soc Trop Med Hyg* 102: 1151-1153.
- Hotez PJ,2, Bethony JM, Oliveira SC, Brindley PJ, Loukas A (2008). Multivalent anthelmintic vaccine to prevent hookworm and schistosomiasis. *Expert Review Of Vaccines* 7: 745-752.
- Hou X-Y, McManus DP, Gray DJ, Balen J, Luo X-S, He Y-K, Ellis M, Williams GM, Li Y-S (2008). A randomized, double-blind, placebo-controlled trial on the safety and efficacy of combined praziquantel and artemether treatment for acute schistosomiasis japonica in China. *Bulletin of the World Health Organisation* 86:788-795.

Appendix 1 cont.

- Hu M, Rabelo EM, Schindler AR, Roberts H, Gasser RB (2008). Mutation scanning-coupled selective sequencing reveals extensive sequence diversity in the mitochondrial cytochrome c oxidase subunit 1 gene within and among populations of the human hookworm, *Necator americanus*, from Colombia. *Molecular and Cellular Probes* 22: 234-237.
- Huang CG, Gasser RB, Cantacessi C, Nisbet AJ, Zhong W, Sternberg PW, Loukas A, Mulvenna J, Lin RQ, Chen Y, Zhu XQ (2008). Genomic-bioinformatic analysis of transcripts specific to the third-stage larva of the parasitic nematode *Ascaris suum*. *PLoS Neglected Tropical Diseases*. 2: e246.
- Jex AR, Hu M, DTJ Littlewood, Waeschenbach A, Gasser RB (2008). Using 454 technology for long PCR based sequencing of the complete mitochondrial genome from single *Haemonchus contortus* (Nematoda). *BMC Genomics* 9: 11
- Jex AR, Pangasa A, Campbell BE, Whipp M, Hogg G, Sinclair MI, Stevens M, Gasser RB (2008). Classification of *Cryptosporidium* from sporadic cryptosporidiosis cases in humans in South Australia by sequence-based multilocus analysis. *Journal of Clinical Microbiology* 46: 2252-2262
- Jex AR, Smith HV, Monis PT, Campbell BE, Gasser RB (2008). *Cryptosporidium* - biotechnological advances in detection, diagnosis and analysis of genetic variation. *Biotechnology Advances* 26: 304-317
- Jex AR, Waeschenbach A, Littlewood DTJ, Hu M, Gasser RB (2008). The mitochondrial genome of *Toxocara canis*. *PLoS Neglected Tropical Diseases* 2: e273
- Johnson NM, Fritz J-A, Behm CA (2008). RNA interference in *Caenorhabditis elegans*. In: *RNA Interference: Methods for Plants and Animals* (eds Doran T and Helliwell C), CAB International Wallingford, UK pp85-113.
- Jones MK (2008). Recent advances in the diagnosis of human schistosomiasis. *Asia Pacific Journal of Tropical Medicine* 1: 63-68.
- Jones MK, Bong SH, Green KM, Holmes P, Duke M, Loukas A, McManus DP (2008). Correlative and dynamic imaging of the hatching biology of *Schistosoma japonicum* from eggs prepared by high pressure freezing. *PLoS Neglected Tropical Diseases* 2: e334.
- Kadekoppala M, O'Donnell RA, Grainger M, Crabb BS, Holder AA (2008) Deletion of the *Plasmodium falciparum* Merozoite Surface Protein 7 gene impairs parasite invasion of erythrocytes. *Eukaryot Cell* 7: 2123-2132.
- Kats LM., Cooke BM, Coppel RL, Black CG. (2008). Protein trafficking to apical organelles of malaria parasites - building an invasion machine. *Traffic* 9: 176-186. (IF: 6.533)
- Kats LM, Wang L, Murhandarwati EEH, Mitri K, Black CG, Coppel RL (2008). Active immunisation with RAMA does not provide protective immunity against *Plasmodium yoelii* challenge despite its association with protective responses in endemic populations. *Vaccine* 26: 3261-3267.
- Katsara M, Minigo G, Plebanski M, Apostolopoulos V (2008). The good, the bad and the ugly: how altered peptide ligands modulate immunity. *Expert Opinion on Biological Therapy* 8: 1873-1884.
- Kaye PM, Blackwell JM (2008). Postgenomic research on leishmaniasis: a critical self-appraisal. *Trends in Parasitology* 24: 401-405.
- Kedzierski L, Zhu Y, Handman E (2008). Recent developments in leishmaniasis vaccine delivery systems. *Expert Opinion on Drug Delivery* 5: 1057-1057.
- Kongsuwan K, Piper EK, Bagnall N, Ryan K, Moolhuijzen P, Bellgard M, Lew A, Jackson L, Jonsson NN (2008). Identification of genes Involved with tick infestation in *Bos taurus* and *Bos indicus*. *Dev Biol (Basel)* 132: 77-88.
- Kopp SR, Coleman GT, McCarthy JS, Kotze AC (2008). Application of in vitro anthelmintic sensitivity assays to canine parasitology: Detecting resistance to pyrantel in *Ancylostoma caninum*. *Veterinary Parasitology* 152: 284-293.
- Kopp SR, Coleman GT, McCarthy JS, Kotze AC (2008). Phenotypic Characterization of Two *Ancylostoma caninum* Isolates with Different Susceptibilities to the Anthelmintic Pyrantel. *Antimicrobial Agents and Chemotherapy* 52: 3980-3986.

Appendix 1 cont.

- Kopp SR, Kotze AC, McCarthy JS, Morton JM, Coleman GT (2008). Strategies for the storage of *Ancylostoma caninum* third-stage larvae. *Journal of Parasitology* 94: 755-756.
- Kopp SR, Kotze AC, McCarthy JS, Traub RJ, Coleman GT (2008). Pyrantel in small animal medicine: 30 years on *Veterinary Journal* 178: 177-184.
- Lehane AM, Hayward R, Saliba KJ, Kirk K (2008). A verapamil-sensitive chloroquine-associated H⁺ leak from the digestive vacuole in chloroquine-resistant malaria parasites. *J Cell Sci* 121: 1624-1632.
- Lehane AM and Kirk K (2008). Chloroquine-resistance-conferring mutations in pfcr1 give rise to a chloroquine-associated H⁺ leak from the malaria parasite's digestive vacuole. *Antimicrob Agents Chemother* 52: 4374-4380.
- Lehane AM and Saliba KJ (2008). Common dietary flavonoids inhibit the growth of the intraerythrocytic malaria parasite *BMC Research Notes* 1: 26.
- Liu XQ, Hart DNJ, MacPherson GG, Good MF, Wykes MN (2008). Soluble CD38 significantly prolongs the lifespan of memory B-cell responses. *Immunology* 125: 14-20.
- Liu MS, Todd BD, Yao S, Feng ZP, Norton RS, Sadus RJ (2008) Coarse-grained dynamics of the receiver domain of NtrC: Fluctuations, correlations and implications for allosteric cooperativity. *PROTEINS: Structure, Function, and Bioinformatics* 73: 218-227.
- Loukas A, Bethony JM (2008). New drugs for an ancient parasite. *Nature Medicine* 14: 365-367.
- Maier AG, Rug M, O'Neill MT, Brown M, Chakravorty S, Szeszak T, Chesson J, Wu Y, Hughes K, Coppel RL, Newbold C, Beeson JG, Craig A, Crabb BS, Cowman AF (2008) Exported proteins required for virulence and rigidity of *Plasmodium falciparum*-infected human erythrocytes. *Cell* 134: 48-61.
- Maier A and Steverding D (2008). Expression and purification of non-glycosylated *Trypanosoma brucei* transferrin receptor in insect cells. *Experimental Parasitology* 120: 205-207
- Marfurt J, de Monbrison F, Brega S, Barbolat L, Müller I, Sie A, Goroti M, Reeder JC, Beck H-P, Picot S, Genton B (2008) Molecular markers of in vivo *Plasmodium vivax* resistance to amodiaquine plus sulphadoxine-pyrimethamine: mutations in pvdhfr and pvmdr1. *J Inf Dis* 198: 409-417.
- Marfurt J, Müller I, Sie A, Oa O, Reeder JC, Smith TA, Beck H-P, Genton B (2008) The usefulness of twenty-four molecular markers in predicting treatment outcome with combination therapy of amodiaquine or chloroquine plus sulphadoxine-pyrimethamine against *falciparum* malaria in Papua New Guinea. *Malaria Journal* 7: 61.
- McConville MJ, De Souza DP, Saunders EC, Pyke J, Naderer T, Ellis MA, Sernee FM, Ralton JE, Lick VA (2008). Analysis of the Leishmania metabolome. In 'Leishmania after the genome: biology and control' (Eds. Myler PJ and Fasel N), Horizon Scientific Press.
- McGonigle L, Mousley A, Marks NJ, Brennan GP, Dalton JP, Spithill TW, Maule AG (2008). The silencing of cysteine proteases in *Fasciola hepatica* newly excysted juveniles using RNA interference. *Int J Parasitol* 38: 149-155.
- McManus DP, Loukas A (2008). Current status of vaccines for schistosomiasis. *Clinical Microbiology Reviews* 21: 225-242.
- Miles AJ, Drechsler A, Kristand K, Anderlueh G, Norton RS, Wallace BA & Separovic F (2008). The effects of lipids on the structure of the eukaryotic cytolysin equinatoxin II: a synchrotron radiation circular dichroism spectroscopic study. *Biochimica et Biophysica Acta – Biomembranes* 1778: 2091-2096.
- Miu J, Hunt NH, Ball HJ (2008). Predominance of interferon-related responses in the brain during murine malaria as identified by microarray analysis. *Infection and Immunity* 76: 1812-1824.
- Miu J, Mitchell AJ, Muller M, Carter SL, Ball HJ, Saunders B, Lu B, Campbell IL, Hunt NH (2008). Chemokine expression during fatal murine cerebral malaria and protection associated with CXCR3 deficiency. *Journal of Immunology* 180: 1217-1230.
- Moertel L, Gobert G, McManus DP (2008). Comparative real

Appendix 1 cont.

- time PCR and enzyme analysis of selected gender-associated molecules in *Schistosoma japonicum*. *Parasitology* 135: 575-583.
- Moore RB, Obornik M, Janouskovec J, Chrudimsky T, Vancova M, Green DH, Wright SW, Davies NW, Bolch SJS, Heimann K, Slapeta J, Hoegh-Guldberg O, Logsdon Jr JM, Carter DA (2008). A photosynthetic alveolate closely related to apicomplexan parasites. *Nature* 451: 959-963.
- Mounsey KE, Holt DC, McCarthy J, Currie BJ, Walton SF (2008). Scabies: molecular perspectives and therapeutic implications in the face of emerging drug resistance. *Future Microbiol* 3: 57-66.
- Nagaraj SH, Gasser RB, Nisbet AJ, Ranganathan S (2008). In silico analysis of expressed sequence tags (EST) from *Trichostrongylus vitrinus* (Nematoda): comparison of the automated ESTExplorer workflow platform with database searches. *BMC Bioinformatics* 9: (S1), 510.
- Naderer T and McConville MJ (2008). Virulence of *Leishmania*: a metabolic perspective. *Cellular Microbiology* 10: 301-308.
- Naderer T, Wee E, McConville MJ (2008). Role of hexosamine biosynthesis in *Leishmania* growth and virulence. *Molecular Microbiology* 69: 858-869.
- Nagaraj SH, Gasser RB, Ranganathan S (2008). Needles in the EST haystack: Large-scale identification and analysis of excretory-secretory (ES) proteins in parasitic nematodes using expressed sequence tags (ESTs). *PLoS Neglected Tropical Diseases* 2: e303.
- Nisbet AJ, Cottee PA, Gasser RB (2008). Genomics of reproduction in nematodes: prospects for parasite intervention? *Trends in Parasitology* 24: 89-95.
- Njiru ZK, Mikosza ASJ, Matovu E, Enyaru JCK, Ouma JO, Kibona SN, Thompson RCA, Ndung'u JM (2008). African trypanosomiasis: Sensitive and rapid detection of the sub-genus *Trypanozoon* by loop-mediated isothermal amplification (LAMP) of parasite DNA. *International Journal for Parasitology* 38: 589-599.
- Norton RS & McDonough SI (2008) Peptides targeting voltage-gated calcium channels. *Current Pharmaceutical Design* 14, 2480-2491.
- Okamoto N and McFadden GI (2008). The mother of all parasites. *Future Microbiol* 3: 391-395.
- Pain A, Böhme U, Berry AE, Mungall K, Finn RD, Jackson AP, Mourier T, Mistry J, Pasini EM, Aslett MA, Balasubrammaniam S, Borgwardt K, Brooks K, Carret C, Carver TJ, Cherevach I, Chillingworth T, Clark TG, Galinski MR, Hall N, Harper D, Harris D, Hauser H, Ivens A, Janssen CS, Keane T, Larke N, Lapp S, Marti M, Moule S, Meyer IM, Ormond D, Peters N, Sanders M, Sanders S, Sargeant TJ, Simmonds M, Smith F, Squares R, Thurston S, Tivey AR, Walker D, White B, Zuiderwijk E, Churcher C, Quail MA, Cowman AF, Turner CM, Rajandream MA, Kocken CH, Thomas AW, Newbold CI, Barrell BG, Berriman M (2008). The genome of the simian and human malaria parasite *Plasmodium knowlesi*. *Nature*. 455: 799-803.
- Pasay C, Arlian L, Morgan M, Vyszynski-Moher D, Rose A, Holt D, Walton S, McCarthy J (2008). High Resolution Melt analysis for the detection of a mutation associated with permethrin resistance in a population of scabies mites. *Medical and Veterinary Entomology* 22: 82-88.
- Penet MF, Abou-Hamdan M, Coltel N, Cornille E, Grau GE, de Reggi M, Gharib B (2008). Protection against cerebral malaria by the low-molecular-weight thiol pantethine. *PNAS USA* 105: 1321-1326 .
- Pinzon-Charry A and Good MF (2008). Malaria vaccines: the case for a whole-organism approach. *Expert Opinion on Biological Therapy* 8: 441-448.
- Plebanski M (2008). Investigation of a novel approach to scoring Giemsa-stained malaria-infected thin blood films. *Malaria Journal* 7 Article Number: 62.
- Proudfoot O, Drew N, Scholzen A, Xiang S, Plebanski M, Locke E, Kazura JW, Coppel RL (2008). Malaria vaccines: into a mirror, darkly? *Trends in Parasitology* 24: 532-536.
- Purcell LA, Yanow SK, Lee M, Spithill TW, Rodriguez A (2008). Chemical attenuation of *Plasmodium berghei* sporozoites induces sterile immunity in mice. *Inf Immunity*

Appendix 1 cont.

76: 1193-1199.

Purcell LA, Wong KA, Yanow SK, Lee M, Spithill TW, Rodriguez A (2008). Chemically attenuated *Plasmodium* sporozoites induce specific immune responses, sterile immunity and cross-protection against heterologous challenge. *Vaccine* 26: 4880-4884.

Raadsma HW, Fullard KJ, Kingsford NM, Margawati ET, Estiningsih E, Widjayanti S, Subandriyo, Clairoux N, Spithill TW, Piedrafita D (2008). Chpt. 8. Ovine Disease Resistance- Integrating Comparative And Functional Genomics Approaches. A Genome Information-Poor Species. In: *Genomics of Disease* (Eds Gustafson JP, Taylor J, Stacey G), Springer, New York, pp 89-113.

Randall, LM, Amante FH, McSweeney KA, Zhou Y, Stanley YC, Haque A, Jones MK, Hill GR, Boyle GM, Engwerda CR (2008). Common Strategies to prevent and modulate experimental cerebral malaria in different susceptible mouse strains. *Infect Immun* 76: 3312-3320.

Randall, LM, Amante FH, Zhou Y, Stanley AC, Haque A, Rivera F, Pfeffer K, Scheu S, Hill GR, Tamada K, Engwerda CR (2008). Cutting Edge: Selective blockade of LIGHT-LTR signalling protects mice from experimental cerebral malaria caused by *Plasmodium berghei* ANKA. *J Immunol* 181: 7458-7462.

Ranjit N, Zhan B, Stenzel DJ, Mulvenna J, Fujiwara R, Hotez PJ, Loukas A (2008). A family of cathepsin B cysteine proteases expressed in the gut of the human hookworm, *Necator americanus*. *Molecular and Biochemical Parasitology* 160: 90-99.

Richards KM, Cotton SJ, Sandeman RM (2008). The use of detector dogs in the diagnosis of nematode infections in sheep feces. *Journal of Veterinary Behavior – Clinical Applications and Research* 3: 25-31.

Ritter U, Lechner A, Scharl K, Kiafard Z, Zwirner J, Körner H (2008). TNF controls dendritic cell migration in experimental cutaneous leishmaniasis. *Medical Microbiology and Immunology* 197: 29-37.

Robinson MW, Dalton JP, Donnelly S (2008). Helminth

pathogen cathepsin proteases: it's a family affair. *Trends in Biochemical Sciences* 33: 601-608.

Robinson MW, Tort JF, Wong E, Donnelly SM, Lowther J, Xu W, Stack CM, Padula M, Herbert B, Dalton JP (2008). Proteomics and phylogenetic analysis of the cathepsin L protease family of the helminth pathogen, *Fasciola hepatica*: expansion of a repertoire of virulence-associated factors. *Molecular and Cellular Proteomics* 7: 1111-1123.

Rowe A, Yun K, Emery D, Sangster N (2008). *Haemonchus contortus*: Development of a two-step, differential-display PCR to detect differential gene expression in nematodes from immune and naive sheep. *Experimental Parasitology* 119: 207-216.

Russell B, Chalfien F, Prasetyorini B, Kenangalem E, Piera K, Suwanarusk R, Brockman A, Prayoga, Sugiarto P, Cheng Q, Tjitra E, Anstey NM, Price RN (2008) Determinates of *in vitro* drug susceptibility testing of *Plasmodium vivax*. *Antimicrob. Agent. Chemother* 52: 1040-1045.

Russell TL and Kay BH (2008). Biologically-based insecticides for the control of immature Australian mosquitoes-a review. *Aust J Entomol.*47: 232-242.

Saliba KJ, Lehane AM, Kirk K (2008). A polymorphic drug pump in the malaria parasite. *Molec Microbiol* 70: 775-779.

Samarasinghe B, Johnson J, Ryan U (2008). Phylogenetic analysis of *Cystoisospora* species at the rRNA ITS1 locus and development of a PCR-RFLP assay. *Experimental Parasitology*. 118: 592-595.

Scorza T, Grubb K, Cambos M, Santamaria C, Tshikudi Malu D, Spithill TW (2008). Vaccination with a *Plasmodium chabaudi* adami multivalent DNA vaccine cross protects A/J mice against challenge with *P. c. adami* DK and virulent *P. c. chabaudi* AS parasites. *Int J Parasitol* 38: 819-827.

Simmons DP, Streltsov VA, Dolezal O, Hudson PJ, Coley AM, Foley M, Proll DF, Nuttall SD (2008). Proteins: Shark IgNAR Antibody Mimotopes Target a Murine Immunoglobulin through Extended CDR3 Loop Structures. *Structure, Function, and Bioinformatics. Proteins* 71: 119-130.

Sotirchos IM, Hudson AL, Ellis J, Davey MW (2008).

Appendix 1 cont.

- Thioredoxins of a parasitic nematode: Comparison of the 16- and 12-kDA thioredoxins from *Haemonchus contortus*. *Free Radical Biology and Medicine* 44: 2026-2033.
- Spillman NJ, Allen RJW, Kirk K (2008). Acid extrusion from the intraerythrocytic malaria parasite is not via a Na⁺/H⁺ exchanger. *Mol Biochem Parasitol* 162: 96-99.
- Spry C, Kirk K, Saliba KJ (2008). Coenzyme A biosynthesis: an antimicrobial drug target. *FEMS Microbiol Rev* 32: 56-106.
- Spycher C, Rug M, Pachlatko E, Hanssen E, Ferguyson D, Cowman AF, Tilley L, Beck HP (2008). The Maurer's cleft protein MAHRP1 is essential for trafficking of PfEMP1 to the surface of *Plasmodium falciparum*-infected erythrocytes. *Mol Micro* 68: 1300-1314.
- Stack CM, Caffrey CR, Donnelly SM, Seshadri A, Lowther J, Tort JF, Collins PR, Robinson MW, Xu W, McKerrow JH, Craik CS, Geiger SR, Marion R, Brinen LS, Dalton JP (2008). Structural and functional relationships in the virulence-associated cathepsin L proteases of the parasitic liver fluke, *Fasciola hepatica*. *J Biol Chem* 283: 1111-1123.
- Stanley, AC, Dalton JE, Rossotti SH, MacDonald KP, Zhou Y, Rivera F, Schroder WA, Maroof A, Hill GH, Kaye PM, Engwerda CR (2008). VCAM-1 and VLA-4 modulate dendritic cell IL-12p40 production in experimental visceral leishmaniasis. *PLoS Pathogens* 4: e1000158.
- Stanley, AC, Zhou Y, Amante FH, Randall LM, Haque A, Pellicci DG, Smyth MJ, Godfrey DI, Engwerda CR (2008). Activation of invariant NKT cells exacerbates experimental visceral leishmaniasis. *PLoS Pathogens* 4: e1000028.
- Struck NS, Herrmann S, Langer C, Krueger A, Foth BJ, Engelberg K, Cabrera AL, Haase S, Treeck M, Marti M, Cowman AF, Spielmann T, Gilberger TW (2008). *Plasmodium falciparum* possesses two GRASP proteins that are differentially targeted to the Golgi complex via a higher- and lower-eukaryote-like mechanism. *J Cell Sci* 121(Pt 13): 2123-2129.
- Struck NS, Herrmann S, Schmuck-Barkmann I, de Souza Dias S, Haase S, Cabrera AL, Treeck M, Bruns C, Langer C, Cowman AF, Marti M, Spielmann T, Gilberger TW (2008). Spatial dissection of the cis- and trans-Golgi compartments in the malaria parasite *Plasmodium falciparum*. *Mol Microbiol* 67: 1320-1330.
- Su V, McFadden GI, Gleadow R, King D, Woodrow I (2008). *Plasmodium falciparum* growth is arrested by monoterpenes from eucalyptus oil. *Flavour & Fragrance Journal* 23: 315-318.
- Suttiaprapa S, Loukas A, Laha T, Wongkham S, Kaewkes S, Gaze S, Brindley PJ, Sripa B (2008). Characterization of the antioxidant enzyme, thioredoxin peroxidase, from the carcinogenic human liver fluke, *Opisthorchis viverrini*. *Molecular and Biochemical Parasitology* 160: 116-122.
- Suwanarusk R, Chavchich M, Russell B, Chalfein F, Jaidee A, Prasetyorini B, Kenangalem E, Piera KA, Lek-Uthai U, Anstey NM, Tjitra E, Nosten F, Cheng Q and Price RN (2008). Amplification of pvmdr1 associated with multidrug resistant *Plasmodium vivax*. *J Infect Dis* 198: 1558-1564.
- Tilley L, Sougrat R, Lithgow T, Hanssen E (2008). The twists and turns of Maurer's cleft trafficking in *P. falciparum*-infected erythrocytes. *Traffic* 9: 187-97.
- Tilley L and Hanssen E (2008). A 3D view of the host cell compartment in *P. falciparum*-infected erythrocytes. *Transfusion Clinical and Biological* (Invited review) 15: 72-81.
- Togbe D, De Sousa PL, Fauconnier M, Boissay V, Fick L, Scheu S, Pfeffer K, Menard R, Grau GE, Doan B-T, Beloeil J-C, Rénia L, Hansen AM, Ball HJ, Hunt NH, Ryffel B, Quesniaux VFJ (2008). Both functional LTβ receptor and TNF receptor 2 are required for the development of experimental cerebral malaria. *PLoS ONE* 3: e2608.
- Tonkin CJ, Foth BJ, Ralph SA, Struck N, Cowman AF, McFadden GI (2008). Evolution of malaria parasite plastid targeting sequences. *Proc Natl Acad Sci U S A* 105: 4781-4785.
- Tonkin CJ, Kalanon M, McFadden GI (2008). Protein targeting to the malaria plastid. *Traffic* 9: 166-175.
- Traub RJ, Inpankaew T, Sutthikornchai C, Sukthana Y, Thompson RCA (2008). PCR-based coprodiagnostic tools

Appendix 1 cont.

reveal dogs as reservoirs of zoonotic ancylostomiasis caused by *Ancylostoma ceylanicum* in temple communities in Bangkok. *Veterinary Parasitology* 155: 67-73.

van Schalkwyk DA, Priebe W, Saliba KJ (2008). The inhibitory effect of 2-halo derivatives of D-glucose on glycolysis and on the proliferation of the human malaria parasite *Plasmodium falciparum*. *Journal of Pharmacology and Experimental Therapeutics* 327: 511-517.

Vince JE, Tull DL, Spurck T, Derby M, McFadden GI, Gleeson PA, Gokool S, McConville MJ (2008). *Leishmania* adaptor protein-1 subunits are required for normal lysosome traffic, flagellum biogenesis, lipid homeostasis and adaption to temperatures encountered in the mammalian host. *Eukaryotic Cell* 7: 1256-1267.

von Itzstein M, Plebanski M, Cooke BM, Coppel RL (2008) Hot, sweet and sticky: the glycobiology of *Plasmodium falciparum*. *Trends in Parasitology* 24: 210-218.

von zur Muhlen C, Sibson NR, Peter K, Campbell SJ, Wilainam P, Grau GE, Bode C, Choudhury RP, Anthony DC (2008) A contrast agent recognizing activated platelets reveals murine cerebral malaria pathology undetectable by conventional MRI. *Journal of Clinical Investigation* 118: 1198-1207.

Vural G, Baca AU, Gauci CG, Bagci O, Gicik Y, Lightowlers MW (2008). Variability in the *Echinococcus granulosus* Cytochrome C oxidase 1 mitochondrial gene sequence from livestock in Turkey and a re-appraisal of the G1-3 genotype cluster. *Vet Parasitol* 154: 347-350.

Wallach M.G., Ashash U., Michael A., Smith N.C. (2008) Field application of a subunit vaccine against an enteric protozoan disease. *PLoS ONE* 3(12), e3948. doi:10.1371/journal.pone.0003948

Wang L, Coppel RL (2008). Oral vaccine delivery: can it protect against non-mucosal pathogens? *Expert Review of Vaccines* 7: 729-738.

Wang L, Webster DE, Campbell AE, Dry IB, Wesselingh SL, Coppel RL (2008). Immunogenicity of *Plasmodium yoelii* merozoite surface protein 4/5 produced in transgenic plants.

International Journal for Parasitology 38: 103-10.

Wassmer SC, Taylor T, MacLennan CA, Kanjala M, Mukaka M, Molyneux ME, Grau GE (2008). Platelet-induced clumping of *Plasmodium falciparum*-infected erythrocytes from Malawian patients with cerebral malaria - Possible modulation in vivo by thrombocytopenia. *Journal of Infectious Diseases* 197: 72-78.

Webster GT, Tilley L, Deed S, McNaughton D, Wood BR (2008). Resonance Raman and chemometrics investigation of the binding of chloroquine to haemozoin (malaria pigment) in *P. falciparum*-infected erythrocytes. *FEBS Letters* 582: 1087-1092.

White NJ, Stepniewska K, Barnes K, Price RN, Simpson J (2008). Simplified antimalarial therapeutic monitoring; the day 7 drug level? *Trends in Parasitology* 24: 159-163.

Williams G, Hanssen E, Peele A, Pfeifer M, Clark J, Abbey B, de Jonge M, Vogt, Tilley L, Nugent KA (2008). High resolution imaging of *Plasmodium falciparum*-infected red blood cells. *Cytometry Part A* 73: 949-957.

Xiao S, Zhan B, Xue H, Goud GN, Loukas A, Liu Y, Williamson A, Liu S, Deumic V, Hotez P (2008). The evaluation of recombinant hookworm antigens as vaccines in hamsters (*Mesocricetus auratus*) challenged with human hookworm, *Necator americanus*. *Experimental Parasitology* 118: 32-40.

Yanow SK, Purcell LA, Pradel G, Sato A, Rodriguez A, Lee M, Spithill TW (2008). Potent antimalarial and transmission-blocking activities of a novel DNA binding agent. *J Inf Diseases* 197: 527-534

Yao S, Babon JJ & Norton RS (2008) Protein effective rotational correlation times from translational self-diffusion coefficients measured by PFG-NMR. *Biophysical Chemistry* 136, 145-151.

Yeo TW, Lampah DA, Gitawati R, Tjitra E, Kenangalem E, Granger DL, Weinberg JB, Lopansri BK, Price RN, Celermajer DS, Duffull SB, Anstey NM (2008). Safety profile of L-arginine infusion in moderately severe *falciparum* malaria. *PLoS ONE* 3: e2347.

Appendix 1 cont.

- Yeo TW, Rooslamati I, Gitawati R, Tjitra E, Lampah DA, Kenangalem E, McNeil YR, Price RN, Anstey NM, Duffull SB (2008). Pharmacokinetics of L-arginine in adults with moderately severe malaria. *Antimicrob Agents Chemo* 52: 4381-4387.
- Yosaatmadja F, Andrews KT, Duffy MF, Brown GV, Beeson JG, Rogerson SJ (2008) Characterization of VAR2CSA-deficient *Plasmodium falciparum*-infected erythrocytes selected for adhesion to the BeWo placental cell line. *Malaria Journal* 7: 51.
- Young ND, Dyková I, Nowak, BF, Morrison RN (2008). Development of a diagnostic PCR to detect *Neoparamoeba perurans*, agent of amoebic gill disease (AGD). *Journal of Fish Diseases* 31: 285-295.
- Zhang X, Perugini MA, Yao S, Adda CG, Murphy VJ, Low A, Anders RF, Norton RS (2008). Solution conformation, backbone dynamics and lipid interactions of the intrinsically unstructured malaria surface protein MSP2. *J Mol Biol* 379: 105-21. Epub.
- [4] SAFEGUARDING AUSTRALIA**
- Adams MB, Villavedra M, Nowak BF (2008). An opportunistic detection of amoebic gill disease (AGD) in blue warehou (*Seriola lalandi* Günther) collected from an Atlantic salmon (*Salmo salar* L.) production cage in south eastern Tasmania. *Journal of Fish Diseases* 31: 713-717.
- Barker SC and Murrell A (2008). Systematics and evolution of ticks with a list of valid genus and species names. In: *Ticks: biology, disease and control* (eds Nuttall P and Bowman AS) Cambridge University Press. Chapter 1, pp 1-39.
- Besier RB (2008). Targeted treatment strategies for sustainable worm control in small ruminants. *Tropical Biomedicine* 25 (Supplement): 9-17.
- Beveridge I (2008). *Mathevotaenia niuginiensis* n. sp. (Cestoda: Anoplocephalidae: Linstowiinae) from the water-rat *Parahydromys asper* (Thomas) in Papua New Guinea, with a list of species of *Mathevotaenia* Akumyan, 1946. *Systematic Parasitology* 71: 189-198.
- Bock RE, Jackson LA, De Vos AJ, Jorgensen WK (2008). Babesia In: *Ticks, Disease & Control* (Eds Bowman AS and Nuttall PA), Cambridge University Press, pp 281-307.
- Bower JE, Downton M, Cooper RD, Beebe NW (2008). Intraspecific Concerted Evolution of the rDNA ITS1 in *Anopheles farauti Sensu Stricto* (Diptera: Culicidae) Reveals Recent Patterns of Population Structure. *Journal of Molecular Evolution* 67: 397-411.
- Caccio S and Ryan U (2008). Molecular epidemiology of giardiasis. *Molecular and Biochemical Parasitology*. 160: 75-80.
- Cafarchi C, Gallo S, Danesi P, Capelli G, Paradies P, Traversa D, Gasser RB, Otranto D (2008). Assessing the relationship between *Malassezia* and leishmaniasis in dogs with or without skin lesions. *Acta Tropica* 107: 25-29.
- Campbell BE, Nagaraj SH, Hu M, Zhong W, Sternberg PW, Ong EK, Loukas A, Ranganathan S, Beveridge I, McInnes RL, Gasser RB (2008). Gender-enriched transcripts in adult *Haemonchus contortus* – predicted functions and genetic interactions based on comparative analyses with *Caenorhabditis elegans*. *International Journal for Parasitology* 38: 65-83.
- Campbell BE, Nisbet AJ, Mulvenna J, Loukas A, Gasser RB (2008). Molecular and phylogenetic characterization of cytochromes c from *Haemonchus contortus* and *Trichostrongylus vitrinus* (Nematoda: Trichostrongylida). *Gene* 424: 121-129.
- Cantacessi C, Riddell S, Morris GM, Doran T, Woods WG, Otranto D, Gasser RB (2008). Genetic characterization of three new operational taxonomic units of *Eimeria* from chickens in Australia based on nuclear spacer ribosomal DNA. *Veterinary Parasitology* 152: 226-234.
- Cinque K, Stevens MA, Haydon SR, Jex AR, Gasser RB, Campbell BE (2008). Investigating public health impacts of deer in a protected drinking water supply watershed. *Water Sci Technol* 58: 127-132.
- Constantinoiu C, Molloy JB, Jorgensen WK, Coleman GT (2008). Antibody response against endogenous stages

Appendix 1 cont.

of an attenuated strain of *Eimeria tenella*. *Veterinary Parasitology* 154: 193-204.

Dale PER, Knight J, Kay BH, Chapman H, Ritchie SA, Brown MD (2008). Habitat characteristics and eggshell distribution of the salt marsh mosquito *Aedes vigilax* in marshes in subtropical eastern Australia. *J Insect Science* 8: 1- 5

Frances SP, Huggins RL, Cooper RD (2008). Evaluation of the inhibition of egg laying, larvicidal effects, and bloodfeeding success of *Aedes aegypti* exposed to permethrin- and bifenthrin- treated military tent fabric. *Journal of the American Mosquito Control Association* 24: 598-600.

González JF, Hernández A, Molina JM, Fernández A, Raadsmá H, Meeusen ENT, Piedrafita D (2008). Comparative experimental *Haemonchus contortus* infection of two sheep breeds native to the Canary Islands. *Veterinary Parasitology* 153: 374-378.

Hu M, LaRonde LeBlanc N, Sternberg PW, Beveridge I, Gasser RB. (2008). Tv-RIO1 – an atypical protein kinase from the parasitic nematode *Trichostrongylus vitrinus*. *Parasites & Vectors*. 22: 34

Hugo LE, Quick-Miles S, Kay BH, Ryan PA (2008). Evaluations of mosquito age grading techniques based on morphological changes. *Journal of Medical Entomology* 45: 353-369.

Jefferies R, Down J, McInnes L, Ryan UM, Robertson H, Jakob-Hoff R, Irwin PJ (2008). Molecular characterization of *Babesia kiviensis* from the Brown Kiwi (*Apteryx mantelli*). *Journal of Parasitology*. 94: 557–560.

Jex AR and Gasser RB (2008). Analysis of genetic diversity within *Cryptosporidium hominis* and *Cryptosporidium parvum* from imported and autochthonous cases of human cryptosporidiosis in the United Kingdom by mutation scanning. *Electrophoresis* 29: 4119-4129.

Jonsson NN, Bock RE, Jorgensen WK (2008). Productivity and health effects of anaplasmosis and babesiosis on *Bos indicus* cattle and their crosses, and the effects of differing intensity of tick control in Australia. *Veterinary Parasitology* 155: 1-9.

Kay BH (2008). Biological control of dengue vectors-promises from the past. Ch 12 In: *Dengue* (ed Halstead SB), Imperial College Press, London.

Kay BH, Watson TM, Ryan PA (2008). Definition of productive *Aedes notoscriptus* (Diptera: Culicidae) habitats in western Brisbane, and a strategy for their control. *Aust J Entomol* 47: 142-148.

Kutz SJ, Thompson RCA, Polley L, Kandola K, Nagy J, Wielinga CM, Elkin BT (2008). *Giardia assemblage A*: human genotype in muskoxen in the Canadian Arctic. *Parasites & Vectors* 1 Article Number: 32

McGinn D, Frances SP, Sweeney AW, Brown MD, Cooper RD (2008). Evaluation of Bistar 80SC (Bifenthrin) as a Tent Treatment for Protection Against Mosquitoes in Northern Territory, Australia. *Journal of Medical Entomology* 45: 1087-1091.

Miller TL, and Cribb TH (2008). Family Cryptogonimidae Ward, 1917. In: *Keys to the Trematoda*. Vol. 3 (Eds Bray RA, Gibson DI, Jones A). CABI International, Wallingford UK, pp 51-112.

Mooney AJ, Ernst I, Whittington ID (2008). Egg-laying patterns and *in vivo* egg production in the monogenean parasites *Heteraxine heterocerca* and *Benedenia seriola* from Japanese yellowtail *Seriola quinqueradiata*. *Parasitology* 135: 1295-1302. DOI: 0.1017/S0031182008004691

O'Brien E, McInnes L, Ryan U (2008). *Cryptosporidium* GP60 genotypes from humans and domesticated animals in Australia, North America and Europe. *Experimental Parasitology*. 118: 118-121.

Otranto D, Stevens JR, Cantacessi C, Gasser RB (2008). Parasite transmission by insects – a female affair? *Trends in Parasitology* 24: 116-120.

Palmer C, Traub RJ, Robertson ID, Devlin G, Rees R, Thompson RCA (2008). Determining the zoonotic significance of *Giardia* and *Cryptosporidium* in Australian dogs and cats. *Veterinary Parasitology* 154: 142-147.

Palmer C, Thompson RCA, Traub RJ, Rees R, Robertson ID

Appendix 1 cont.

- (2008). National study of the gastrointestinal parasites of dogs and cats in Australia. *Veterinary Parasitology* 151: 181-190.
- Pavlasak I and Ryan U (2008). *Cryptosporidium varanii* takes precedence over *C. saurophilum*. *Experimental Parasitology* 118: 434-437.
- Piedrafita D, Estuningsih E, Spithill TW, Pleasance J, Widjajanti S, Suharyanta, Partoutomo S, Kingsford N, Hansen D, Clery D, Prowse R, Meeusen ENT, Raadsma HW (2008). Chpt. 8. Immunology and assessment of resistance to fasciolosis in small ruminants. In: *Overcoming liver fluke as a constraint to ruminant production in South-East Asia* (Eds Gray GD, Copland RS and Copeman DB), ACIAR, Canberra, ACIAR Monograph No. 133, pp 111-126.
- Piper EK, Jackson LA, Bagnall NH, Kongsuwan KK, Lew AE, Jonsson NN (2008). Gene expression in the skin of *Bos taurus* and *Bos indicus* cattle infested with the cattle tick, *Rhipicephalus (Boophilus) microplus*. *Veterinary Immunology Immunopathology* 126:110-119
- Pleydell D, Yang YR, Danson FM, Raoul F, Craig PS, McManus DP, Vuitton D, Wang Q, Giraudoux P (2008). Landscape composition and spatial prediction of alveolar echinococcosis in southern Ningxia, China. *PLoS Neglected Tropical Diseases* 2: e287. doi:10.1371/journal.pntd.0000287.
- Raadsma HW, Fullard KJ, Kingsford NM, Margawati ET, Estuningsih SE, Widjayanti S, Subandriyo, Spithill TW, Piedrafita D (2008). Chpt. 7. Genetics of fasciolosis in small ruminants. In: *Overcoming liver fluke as a constraint to ruminant production in South-East Asia* (Eds Gray GD, Copland RS, Copeman DB) ACIAR, Canberra, ACIAR Monograph No. 133, pp. 99-110.
- Raadsma HW, Kingsford N, Suharyanta, Spithill TW, Piedrafita D (2008). Host responses during experimental infection with *Fasciola gigantica* and *Fasciola hepatica* in Merino sheep: II Development of a predictive index for *Fasciola gigantica* worm burdens. *Veterinary Parasitology* 154: 250-261.
- Redman E, Grillo V, Saunders G, Jackson F, RajanDream M, Berriman M, Gilleard JS (2008). Genetics of mating and sex determination in the parasitic nematode *Haemonchus contortus*. *Genetics* 180: 1877-1887.
- Redman E, Packard E, Grillo V, Smith J, Jackson F, Gilleard JS (2008). Microsatellite analysis reveals marked genetic differentiation between *Haemonchus contortus* laboratory isolates and provides a rapid systems for genetic fingerprinting. *International Journal of Parasitology* 38: 111-122.
- Reichel MP, Ellis JT (2008). Re-evaluating the economics of neosporosis control. *Veterinary Parasitology* 156: 361-362.
- Repullés-Albelda A, Montero FE, Holzer AS, Ogawa K, Hutson KS, Raga JA (2008). Speciation of the *Paradeontacylix* spp. (Sanguinicolidae) of *Seriola dumerili*. Two new species of the genus *Paradeontacylix* from the Mediterranean. *Parasitology International* 57: 405-414.
- Rioux, MC, Carmona C, Acosta D, Ward B, Ndao M, Spithill TW (2008). Discovery and validation of serum biomarkers over the first twelve weeks of *Fasciola hepatica* infection in sheep. *Int J Parasitol.* 38: 123-136.
- Ryan UM and Xiao L (2008). Avian Cryptosporidiosis. In: *Cryptosporidium and Cryptosporidiosis*. (ed R. Fayer and L. Xiao). CRC Press, Taylor and Francis Group, Boca Raton. pp 395-418.
- Salb AL, Barkema HW, Elkin BT, Thompson RCA, Whiteside DP, Black SR, Dubey JR, Kutz SJ (2008). Dogs as sources and sentinels of parasites in humans and wildlife, northern Canada. *Emerging Infectious Diseases* 14: 60-63.
- Scheerlink JP, Snibson KJ, Bowles VM, Sutton ??? (2008). Biomedical applications of sheep models: from asthma to vaccines. *Trends Biotechnol* 26: 259-66.
- Smales LR (2008). New species of Heligmonellidae (Nematoda: Trichostrongyloidea) from *Melomys*, *Paramelomys* and *Uromys* (Rodentia: Muridae) from Papua, Indonesia and Papua New Guinea. *Comparative Parasitology* 75: 52-60.
- Smales LR and Spratt DM (2008). Helminth assemblages of *Uromys* spp., from Australia, Papua New Guinea and Papua

Appendix 1 cont.

- Indonesia and comparison with assemblages in *Melomys* spp. (Hydromyinae). *Australian Journal of Zoology* 56: 85-94.
- Smith JL, Colditz IG, Piper LR, Sandeman RM, Dominik S (2008). Genetic resistance to growth of *Lucilia cuprina* larvae in Merino sheep. *Australian Journal of Experimental Agriculture* 48: 1210-1216.
- Smith RE, Spithill TW, Pike RN, Meeusen ENT, Piedrafita D (2008). *Fasciola hepatica* and *Fasciola gigantica*: Cloning and characterisation of 70kDa heat-shock proteins reveals variation in HSP70 gene expression between parasite species recovered from sheep. *Exp Parasitol* 118: 536-542.
- Stark D, Phillips O, Peckett D, Munro U, Marriott D, Harkness J, Ellis J (2008). Gorillas are a host for *Dientamoeba fragilis*: An update on the life cycle and host distribution. *Veterinary Parasitology* 151: 21-26.
- The Malaria Genomic Epidemiology Network (2008) A global network for investigating the genomic epidemiology of malaria. *Nature* 456: 732-738.
- Thompson RCA (2008). The taxonomy, phylogeny and transmission of *Echinococcus*. *Experimental Parasitology* 119: 439-446.
- Thompson RCA (2008). The molecular epidemiology of enteric protozoan infections - Emerging issues and paradigm shifts. *Infection Genetics and Evolution* 8: S1-S1.
- Thompson RCA, Palmer CS, O'Handley R (2008). The public health and clinical significance of *Giardia* and *Cryptosporidium* in domestic animals. *Veterinary Journal* 177: 18-25.
- Traversa D, Iorio R, Otranto D, Modry D, Slapeta J (2008). *Cryptosporidium* from tortoises: genetic characterisation, phylogeny and zoonotic implications. *Molecular and Cellular Probes* 22: 122-128.
- Valigurova A, Jirku M, Koudela B, Gelnar M, Modry D, Slapeta J (2008). *Cryptosporidia*: epicellular parasites embraced by the host cell membrane. *International Journal for Parasitology* 38: 913-922. (cover illustration)
- Whittington ID and Chisholm LA (2008). Diseases caused by Monogenea. In: *Fish Diseases* Volume 2. (Eds Eiras JC, Segner H, Wahlii T, Kapoor BG), Science Publishers, Inc., New Hampshire, USA, pp. 683-816 (Chapter 13).
- Williams AR, Karlsson LJE, Palmer DG, Williams IH, Vercoe PE, Greeff JC, Emery DL (2008). Increased levels of cysteinyl leukotrienes and prostaglandin E-2 in gastrointestinal tract mucus are associated with decreased faecal dry matter in Merino rams during nematode infection. *Australian Journal of Experimental Agriculture* 48: 873-878.
- Yang YR, Craig PS, Sun T, Vuitton DA, Giraudoux P, Jones MK, Williams GM, McManus DP (2008). Echinococcosis in Ningxia Hui Autonomous Region, North West China. *Transactions of the Royal Society of Tropical Medicine and Hygiene* 102: 319-328.
- Yang YR, Craig PS, Vuitton DA, Williams GM, Sun T, Boufana B, Giraudoux P, Teng J, Li YB, Huang L, Zhang W, Jones MK, McManus DP (2008). Serological prevalence of echinococcosis and risk factors for infection among children in rural communities of southern Ningxia, China *Tropical Medicine and International Health*, 13: 1086-1094.
- Yin MB, Hu W, Mo X, Wang SY, Brindley PJ, McManus DP, Davis GM, Feng Z, Blair D (2008). Multiple near-identical genotypes of *Schistosoma japonicum* can occur in snails and have implications for population-genetic analyses. *International Journal for Parasitology* 38: 1681-1691 doi: 10.1016/j.ijpara.2008.05.015.
- Zhang W and McManus DP (2008). Vaccination of dogs against *Echinococcus granulosus*: a means to control hydatid disease? *Trends in Parasitology* 24: 419-424.
- Zhang W, Ross AG, McManus DP (2008). Mechanisms of immunity in hydatid disease: implications for vaccine development. *Journal of Immunology* 181: 6679-6685.

Appendix 2

RESEARCH GRANTS AWARDED TO ARC/NHMRC RESEARCH NETWORK FOR PARASITOLOGY PARTICIPANTS IN 2008

Fellowship and Grant Winners

NHMRC Australia Fellowship

Terry Speed (WEHI)

NHMRC: Fellowships

Professor John Reeder (Macfarlane Burnet Institute)

A/Prof. Brian Cooke (Monash University)

Dr Chris Engwerda (Queensland Institute of Medical Research)

Prof. Malcolm McConville (University of Melbourne)

Prof. Ray Norton (Walter and Eliza Hall Institute of Medical Research)

Prof. Tim Davis (University of WA)

NHMRC Career Development and Training Awards

Chris Tonkin (WEHI)

Marthe D'Ombrain (University of Melbourne)

Fiona Sansom

Rachel Lundie (University of Melbourne)

Magda Ellis (QIMR)

Gabriela Minigo (Menzies School of Health Research)

Julie Wheway (University of Sydney)

NHMRC: Projects

Kiaran Kirk (ANU)

Transport of amino acids and polyamines in the malaria

parasite.

John Dalton, Sheena McGowan, Don Gardiner (IBID, UTS and QIMR)

A path to new anti-malaria drug discoveries by understanding enzyme structure

Deb Holt, Shelley Walton, Ben Dunn, Bo Yang Baker (Menzies School of Health Research)

Towards novel therapies for scabies: analysis of aspartic proteases

Katherine Trenholme, Don Gardiner, John Dalton, Chris Brown (QIMR and IBID, UTS)

Analysis of a Plasmodium falciparum aminopeptidase

Denise Doolan, Philip Felger (QIMR)

Protein microarrays for cross-species malaria vaccine development

Ian Brereton, Tina Skinner-Adams, Luke Gudat, John de Jersey, Lieve Naesens, Antonin Holy (University of Queensland and QIMR)

Discovery of new anti-malarial drugs

Tania de Koning-Ward (Deakin University)

Dissecting the contribution of a complex that exports malaria proteins to disease

Malcolm McConville, Spencer Williams (University of Melbourne)

Novel metabolic enzyme in Leishmania parasites

Appendix 2 cont.

Stephen Duffull, Julia Simpson, Richard Price (University of Melbourne and Menzies School of Health Research)

Design of antimalarial pharmacokinetic studies

Stephen Rogerson, James Beeson, Mirja Hommel (University of Melbourne and WEHI)

Immunity to malaria during pregnancy

Diana Hansen (WEHI)

NK cell-DC cross-talk in malaria

Georges Grau, Angeles Sanchez Perez (University of Sydney)

Brain endothelial cell membrane stabilisation and its involvement in cerebral malaria

Leann Tilley and Nick Klonis (LaTrobe University)

Novel fluorescent probes of cellular microenvironments to study the mechanism of action of endoperoxide antimalarials.

Thomas Cocks, Gasser and Els Meeusen (University of Melbourne and Monash University)

Investigating a new therapy for immune system diseases.

NHMRC: European Union Collaboration Research Program

Georges Grau (University of Sydney)

Research to investigate cerebral malaria

ARC Discovery

Dea Carter; Jan Slapeta (University of Sydney)

Chromera velia a new organism for understanding malaria and related parasitic diseases

ARC Linkage International

Robin Gasser; PW Sternberg; Dr W Zhong (University of Melbourne)

Automated, smart genomic data integration for the exploration of developmentally regulated molecules in parasites of major socioeconomic importance

ARC Linkage Projects

Robin Gasser; Ian Beveridge (University of Melbourne)

Catchment sources of microorganisms developing an integrated strategy for the sustained prevention of waterborne disease outbreaks in humans in Melbourne

Una Ryan; A/Prof. Ian D Robertson (Murdoch University)

Determining the impact of protozoan pathogens and strongyle worms on prime lamb

Els Meeusen (Monash University)

Characterisation and development of adjuvants for new generation veterinary and human vaccines

Phil Batterham (The University of Melbourne) and Hatchtech Pty Ltd

Identification of the targets of a novel metalloproteinase inhibitor used for the treatment of human head lice

Appendix 2 cont.

Barbara Nowak, Jeremy Carson and B Koop (University of Tasmania)

Improving vaccine performance through understanding host pathogen interaction in yersiniosis.

ARC Linkage Infrastructure, Equipment and Facilities

A/Prof. CB Whitchurch; Prof. EJ Harry; A/Prof. MR Phillips; A/Prof. MJ Ford; Prof. JP Dalton; A/Prof. PJ Ralph; Dr MA Doblin; A/Prof. NC Smith; Dr N Firth; Prof. J Trehwella; A/Prof. GC Cox; A/Prof. FC Braet; A/Prof. DA Carter; Dr TP Newsome; Prof. NE Dixon; Prof. MJ Walker; Dr JM Mackenzie; Dr E Hanssen; Prof. L Tilley; A/Prof. J Mak; Dr RM Murphy; Dr MT Ryan; Prof. DG Stephenson; Prof. DL Vaux; A/Prof. C Tang; Prof. PR Fisher; Dr AR Gendall; A/Prof. SG Crewther; A/Prof. TA Smith; Prof. RM Robins Browne; Dr EL Hartland (Administering Institution: University of Technology, Sydney)

Microbial and Cellular Imaging and Analysis Facility

Prof. KA Nugent; A/Prof. AG Peele; A/Prof. PC Dastoor; A/Prof. WM Skinner; Dr WP Gates; A/Prof. AF Masters; Prof. L Tilley; Dr PR Heraud; Prof. PA Lay; Dr BC Cowie; Dr DJ Paterson (Administering Institution: University of Melbourne)

Versatile Scanning X ray Microscopy Facility at the Australian Synchrotron

Prof. DD Sampson; Dr JS Croser; A/Prof. M Degli Esposti; Prof. SA Dunlop; Prof. DJ Hampson; Prof. AR Harvey; Dr KA Heel; Dr CM James; Dr C Kahler; Prof. SP Klinken; Prof. PJ Leedman; Prof. BJ Marshall; Prof. AH Millar; Dr AR Murch; Dr JK Phillips; Dr PJ Rigby;

A/Prof. UM Ryan; Prof. GA Stewart; Dr PA Stumbles; Prof. RC Thompson; A/Prof. AM Waite; Prof. JM Whelan; Prof. GE Wilcox; Prof. GC Yeoh; Dr M Ziman (Administering Institution: University of WA)

A Core Western Australian Cell Sorting Facility for Ultra Small Objects and Rare Cells

Prof. NJ King; Dr K Gaus; Prof. MA Vadas; Prof. GE Grau; Prof. LM Khachigian; Prof. NH Hunt; Prof. IL Campbell; Prof. W Weninger; Prof. J Black; Prof. WJ Britton; Prof. DR Richardson; Prof. CL Geczy; Prof. BD Fazekas de St Groth; Prof. PW Gunning; Prof. W Jessup; Prof. RS Mason; Prof. RI Christopherson; Prof. G Halliday (Administering Institution: University of Sydney)

7 laser BD LSR II and Cellomics ArrayScan VTI, to enhance capability and throughput for the NSW Advanced Cytometry Facility

Dr SG Solomon; Prof. DG Allen; A/Prof. JW Morley; Dr IS McGregor; Prof. RF Westbrook; Prof. B Dreher; Prof. RA Dampney; Dr E Arabzadeh; Prof. NJ King; Prof. NH Hunt; Dr K Keay; Dr W Phillips; Dr K Cullen; Dr C Leamey; Dr C Koepl; Dr DA Protti (Administering Institution: University of Sydney)

Multiphoton microscope for cellular imaging in live animals

Other Grants

John Dalton (UTS), Don Gardiner (QIMR), Jolanta Grembecka (UV, USA) and Katharine Trenholme (QIMR), NIH RO3 grant (PAR-06-545)

Solicitation of Assays for High Throughput Screening (HTS) in the Molecular Libraries Screening.

Andrew Thompson (Murdoch University) and Epichem, Drugs for Neglected Diseases Initiative (DNDi)

Appendix 2 cont.

Optimisation of new drugs to treat Chagas disease (Trypanosoma cruzi).

Nick Anstey (Menzies School of Health Research) NIH Project Grant 2R01-A1041764-11

Arginine, Nitric Oxide, and Severe Malaria

Leann Tilley (LaTrobe University) La Trobe University Central Large Grant Scheme

Mechanism of antimalarial activity of artemisinin and new chemically synthesised endoperoxide compounds

Nick Sangster and Terry Spithill (CSU), Rural Industries Research and Development Corporation

Diagnosis and control of small strongyle parasites of horses

Kevin Saliba and C. Wrenger (ANU) Go8-DAAD Grant.
Vitamin B1 acquisition by the human malaria parasite Plasmodium falciparum.

Mal Jones (QIMR) Sandler Foundation

Tissue-specific transcriptomics of schistosomes

Barbara Nowak (University of Tasmania) FRDC 2008/218 Extension funding application: *AGD vaccine phase III*

Barbara Nowak (University of Tasmania) 2008/749 Seafood CRC PhD scholarship

Using mucosal antibody response to recombinant Neoparamoeba perurans attachment proteins to design an experimental vaccine for amoebic gill disease.

Barbara Nowak (University of Tasmania) FRDC 2008/228 ASBTIA Industry Partnership: maintaining SBT High Health Status

Understanding SBT parasites and investigating ways to mitigate their influence on SBT production

Kathy Andrews (QIMR and Griffith University) Griffith University Research Grant (GURG)

Identification of PfHDAC-1 binding partners using Tandem Affinity Purification

Steve Barker (The University of Queensland)

Contract Research on efficacy to acaricides against ticks and efficacy of pediculicides against lice.

Brown Besier (WA Department of Agriculture), Cattle Compensation Fund and Meat and Livestock Australia

A re-evaluation of cattle worm control and anthelmintic resistance on Western Australian beef cattle properties

Brown Besier (WA Department of Agriculture), CRC for Sheep Industry Innovation *Development of FlyBoss website.*

Ian Beveridge, David Spratt, Lesley Warner (University of Melbourne, CSIRO, SA Museum), Australian Biological Resources Study

Review of Australian Trichostrongylida

Brian Cooke (Monash University) ANZ Trustees

Development of a whole parasite vaccine against malaria.

Appendix 2 cont.

Bart Currie (Menzies School of Health Research), Northern Territory Government Project Grant

Beating Scabies and Strongyloides in Galiwin'ku

Mick Foley, Andrew Coley, Robin Anders (LaTrobe University), Malaria Vaccine Initiative

Development a more effective malaria vaccine using a modified form of recombinant AMA1.

Don Gardiner, C. Brow, KatharineTrenholme (QIMR and Griffith University), Griffith Medical Research College Collaborative Grant.

Targeting the Achilles Heel of Malaria. Isoleucine transport and Peptide Nucleic Acids.

Michael Good, Kathy Andrews (QIMR and Griffith University), MMV Project Grant

Lead Generation via high-throughput screening of malaria targets against a large natural product extract library

Michael Good, Alberto Pinzon-Charry (QIMR), GlaxoSmithKline Post Graduate Support Grant

A malaria vaccine using low doses of dead parasite and CpG oligodeoxynucleotide,

A.E. Lew, M. Rodriguez Valle, L.A. Jackson & N.N. Jonsson (University of Queensland), Meat and Livestock Australia.

Comparative tick gene expression in Brahman and Holstein-Friesian cattle.

Andreas Lopata, Ian Beveridge, Robin Gasser (RMIT and University of Melbourne), Australian Biological Resources Study

Review of Australian Anisakidae

Michelle Power (Macquarie University), Australian Academy of Science.

Co-evolution of parasites with marsupial hosts.

Jan Slapeta (University of Sydney), Australian Academy of Science.

Epizootiology of a Myxozoan Parasite in the Endangered Green and Golden Bell Frog

Jan Slapeta (University of Sydney), Australian Academy of Science.

Iron requirements of Chromera velia

Jan Slapeta (University of Sydney), Dorothy Minchin Bequest
The pathological effect of introduced avian blood parasites in Australia.

Gonzalez, Piedrafita, Meeusen, Molina, Rodriguez, Hernandez (Monash University)

"Estudio de los mecanismos de la respuesta inmunitaria desarrollada por ovinos canarios de Pelo y ovinos Canarios, tras la inoculación experimental de Haemonchus contortus". Consejería de Education, Cultura y Deportes, Gobierno de Canarias, Spain.