

PUBLICATIONS:**Peer reviewed articles**

1. Kuhn, C., Lucius, R., Matthes, H. F., Meusel, G., Reich, B. & **Kalina, B. H.** Characterisation of recombinant immunoreactive antigens of the scab mite *Sarcoptes scabiei*. (submitted)
2. Kines, K. J., Mann, V. H., Morales, M. E., Shelby, B. D., **Kalina, B. H.**, Gobert, G. N., Chirgwin, S. R. & Brindley, P. J. (2006). Transduction of *Schistosoma mansoni* by vesicular stomatitis virus glycoprotein-pseudotyped Moloney murine leukemia retrovirus. *Experimental Parasitology*, 112, 209-220.
3. **Kalina, B. H.**, Pillai, S., Liebau, E., Hartmann, S., Theuring, F. & Lucius, R. (2005). Studies on *Acanthocheilonema viteae* cystatin: Genomic organization, promoter studies and expression in *Caenorhabditis elegans*. *Filaria J.*, 4:9.
4. Hartmann S., Sereda M.J., Sollwedel A., **Kalina B.H.**, Lucius R. (2006). A nematode allergen elicits protection against challenge infection under specific conditions. *Vaccine*, 24, 3581–3590.
5. Copeland, C.S., Mann, V.H., Morales, M.E., **Kalina, B.H.** & Brindley, P.J. (2005). The Sinbad retrotransposon from the genome of the human blood fluke, *Schistosoma mansoni*, and the distribution of related Pao-like elements, *BMC Evolutionary Biology*, 5:20
6. Schulmeister, A., Heyers, O., Brindley, P.J., Morales, M.E., Meusel, G., Lucius, R. & **Kalina, B.H.** (2005). Organization and functional analysis of the *Schistosoma mansoni* aspartic protease promoter. *BBA Gene Structure and Expression*, 1727, 27-34.
7. Morales, M.E., **Kalina, B.H.**, Heyers, O., Mann, V.H., Schulmeister, A., Copeland, C.S., Loukas, A. & Brindley, P.J. (2004). Genomic organization of the *Schistosoma mansoni* aspartic protease gene, a platyhelminth orthologue of mammalian lysosomal cathepsin D. *Gene*, 338, 99-109.
8. Copeland, C. S., Heyers, O., **Kalina, B. H.**, Bachmair, A., Stadler, P. F., Hofacker, I. L. & Brindley, P. J. (2004). Structural and evolutionary analysis of the transcribed sequence of *Boudicca*, a *Schistosoma mansoni* retrotransposon. *Gene*, 329, 103-114.
9. Heyers, O., Walduck, A. K., Brindley, P. J., Bleiß, W., Lucius, R., Dorbic, T., Wiittig, B. & **Kalina, B. H.** (2003). *Schistosoma mansoni* miracidia transformed by particle bombardment infect *Biomphalaria glabrata* snails and develop into transgenic sporocysts. *Experimental Parasitology* 105, 174–178.
10. Hartmann, N., Stuckas, H., Lucius, R., Bleiß, W. Theuring, F. & **Kalina B. H.** (2003). Studies on intracellular bacteria from filarial nematodes: Trans-species transfer of *Wolbachia*: Microinjection of *Wolbachia* from *Litomosoides sigmodontis* into *Acanthocheilonema viteae*. *Parasitology*, 126, 503-511.
11. Copeland, S. C., Brindley, P. J., Michael, S. F., Johnston, D. A., Williams, D. J., Heyers, O. & **Kalina, B. H.** (2003). *Boudicca*, a retrovirus-like, LTR retrotransposon from the genome of the human blood fluke, *Schistosoma mansoni*. *Journal of Virology*, 77, 6153-6166
12. McManus, D. P., Wong, J. Y.M., Zhou, J., Cai, C., Zeng, Q., Smyth, D., Li, Y., **Kalina, B. H.**, Duke, M. J., Yi, X. (2002). Recombinant paramyosin (rec-Sj-97) tested for immunogenicity and vaccine efficacy against *Schistosoma japonicum* in mice and water buffaloes. *Vaccine*, 20, 870-878.
13. Zhou, J. C., Yi, X. Y., **Kalina, B. H.** & McManus, D. P. (2002). Expression and purification of recombinant *Schistosoma japonicum* paramyosin. *Hunan Yi Ke Da Xue Xue Bao.*, 25, 106-108
14. Müller-Schollenberger, V., Beyer, W., Schnitzler, P., Merckelbach, A., Seidinger, S., **Kalina,**

- B. H.** & Lucius, R. (2001). Immunization with *Salmonella typhimurium*-delivered glyceraldehyde-3-phosphate dehydrogenase protects mice against challenge infection with *Echinococcus multilocularis* eggs. *Int. J. Parasitol.*, **31**, 1441–1449.
15. **Kalinna, B. H.**, Brindley, P. J., Wong, J. Y. M., Bogitsch, B. J., King, L. T., Smyth, D. J., Verity, C. K., Abbenante, A., Brinkworth, R. I., Fairlie, D., Smythe, M. L., Milburn, P. J., Bielefeldt-Ohmann, H., Zheng, Y. & McManus, D. P. (2001). Proteolysis of human hemoglobin by schistosome cathepsin D. *Mol. Biochem. Parasitol.*, **112**, 125-137.
 16. Waite G. J., Yang W., Ross A. G., Li Y. S., Sleigh A. C., **Kalinna B. H.**, Scott J. C., Mazzer D., Li Y. & McManus DP (1998). Differential antigen-stimulated proliferation of human mononuclear cells by recombinant *Schistosoma japonicum* antigens in a Chinese population. *Clin. Exp. Immunol.*, **112**, 69-73.
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 19. Zhang, L., Leggatt, G. R., **Kalinna, B. H.**, Piva, T. & McManus, D. P. (1997). Gene for a nonintegrin laminin-binding protein from the hydatid tapeworm, *Echinococcus granulosus*: functional expression and localization of the laminin-binding domain. *Molecular Biochemical Parasitology*, **87**, 183-192.
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 21. Becker, M. M., Waite G. J., **Kalinna B. H.**, Yang, W. and McManus, D.P. (1995). Molecular cloning, characterisation and purification of putative vaccine candidates for schistosomiasis japonica. *Zbl. Bakt. A*, **282**, 127-128.
 22. Hooker, C. W., Yang, W., Becker, M., Waite, G. J., **Kalinna, B. H.**, Nimmo, K. A., McManus, D. P. and Brindley, P. J. (1995). *Schistosoma japonicum*: Heterogeneity in paramyosin genes. *Acta Tropica*, **59**, 131-141.
 23. Becker, M., **Kalinna, B. H.**, Yang, W., Harrop, S. A., Scott, J. C., Kurtis, J. D. and McManus, D. P. (1995). Gene cloning and complete nucleotide sequence of philippine *Schistosoma japonicum* paramyosin. *Acta Tropica*, **59**, 143-147.
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 25. **Kalinna, B. H.** and McManus, D. P. (1994). Codon usage in *Echinococcus*. *Exp. Parasitol.*, **79**, 72-76.
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29. Waive, G. J., Becker, M., Yang, W., **Kalinna, B. H.** and McManus, D. P. (1993). Cloning, molecular characterisation, and functional activity of *S. japonicum* glyceraldehyde-3-phosphate dehydrogenase, a putative vaccine candidate against schistosomiasis japonica. *Infection and Immunity*, **61**, 4716-4723.
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33. **Kalinna, B. H.** and McManus, D. P. (1992). IgG (Fc_g)-binding protein on *Taenia crassiceps* metacestodes. *Zbl. Bakt. Hyg. A* **325**, 44-45.
34. **Kalinna, B. H.**, Geyer, E. and Walther, M. (1990). Purification of an antigen from the *Taenia crassiceps* metacestode vesicular fluid highly sensitive in detecting IgG-antibodies (ELISA) in calves with experimental cysticercosis. *J. Vet. Med.* **37**, 213-221.
35. Kunz, J., **Kalinna, B. H.**, Watschke, V. and Geyer, E. (1989). *Taenia crassiceps* vesicular fluid antigens shared with *Taenia solium* larval stage and reactive with antibodies from patients with neurocysticercosis. *Zbl. Bakt. A* **271**, 510-520.
36. **Kalinna, B. H.**, Becker, M. and Geyer, E. (1989). Immunoelectrophoretic analyses of antigens shared by the vesicular fluid and cyst wall of *Taenia crassiceps* and *Taenia saginata* metacestodes. *Parasitol. Res.* **75**, 568-574.
37. **Kalinna, B. H.**, Kunz, J. and Geyer, E. (1988). Isolation of a *Taenia crassiceps* metacestode vesicular fluid antigen highly sensitive for the detection of antibodies in cattle experimentally infected with *Taenia saginata* cysticerci. *Zbl. Bakt. Hyg. A* **306**, 309.
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Reviews

1. **Kalinna, B. H.** & Brindley, P.J. ((2006). Manipulating the manipulators: advances in parasitic helminth transgenesis. *Trends in Parasitology (invited review, submitted)*
2. **Kalinna, B. H.** & McManus, D. P. (1997). A vaccine against the Asian schistosome, *S. japonicum*: an update on paramyosin as a target of protective immunity. *Int. J. Parasitol.*, **27**, 1213-1219.
3. Brindley, P. J., **Kalinna, B. H.**, Dalton, J. P., Day, S. R., Wong, J. Y. M., Smythe, M. L. & McManus, D. P. (1997). Proteolytic degradation of host hemoglobin by schistosomes. *Mol. Biochem. Parasitol.*, **89**, 1-9.
4. **Kalinna, B. H.** (1997). DNA vaccines for parasitic infections. *Immunology and Cell Biology*, **75**, 370-375.
5. McManus, D. P., Waive, G. J., Yang, W., Becker, M., **Kalinna, B. H.**, Liu, X. S. and Tiu, W. U. (1993). Towards a vaccine against Asian schistosomiasis. *Today's Life Sciences*, **5**, 24-43.

Book chapters

1. Brindley, P. J., Copeland, C. S. & **Kalina, B. H.** (2004). Schistosome Retrotransposons. In: World Class Parasites Vol. 10, Schistosomiasis. (Secor, W. Evan; Colley, Daniel G. (Eds.)). Springer, Heidelberg, Germany.