

Professor Chris Shaw : Refereed Publications 1982-2005.

Group 1: - Helminth regulatory peptides

1. Magee, R. M., Fairweather, I., Johnston, C. F., Halton, D. W. and **Shaw, C.** (1989) Immunocytochemical demonstration of neuropeptides in the nervous system of the liver fluke, *Fasciola hepatica* (Trematoda, Digenea). **Parasitology**, 98, 227-238.
2. Maule, A. G., **Shaw, C.**, Halton, D. W., Johnston, C. F. and Fairweather, I. (1989) Localisation, quantification and characterisation of pancreatic polypeptide immunoreactivity in the parasitic flatworm *Diclidophora merlangi*, and its fish host (*Merlangius merlangus*). **Gen. Comp. Endocrinol.**, 74, 50-56.
3. Maule, A. G., Halton, D. W., Johnston, C. F., Fairweather, I. and **Shaw, C.** (1989) Immunocytochemical demonstration of neuropeptides in the fish-gill parasite *Diclidophora merlangi*. **Int. J. Parasitol.**, 19, 307-316.
4. Fairweather, I., Mahendrasingham, S., Johnston, C. F., Halton, D. W., McCullough, J. S. and **Shaw, C.** (1990) An ontogenic study of the cholinergic and serotonergic nervous systems in *Trilocularia acanthiaevulgaris* (Cestoda, Tetraphyllidea.) **Parasitol. Res.** 76, 487-496.
5. Skuce, P. J., Johnston, C. F., Fairweather, I., Halton, D. W., **Shaw, C.** and Buchanan, K. D. (1990) Immunoreactivity to the pancreatic polypeptide family in the nervous system of the adult human blood fluke, *Schistosoma mansoni*. **Cell Tissue Res.**, 261, 573-581.
6. McKay, D. M., Halton, D. W., Johnston, C. F., Fairweather, I. and **Shaw, C.** (1990) Occurrence and distribution of putative neurotransmitters in the frog lung parasite, *Haplometra cylindracea* (Trematoda: Digenea). **Parasitol. Res.**, 76, 509-517.
7. Maule, A. G., **Shaw, C.**, Halton, D. W., Johnston, C. F., Fairweather, I. and Buchanan, K. D. (1989) Tachykinin immunoreactivity in the parasitic flatworm, *Diclidophora merlangi* and its fish host, the whiting (*Merlangius merlangus*): radioimmunoassay and chromatographic characterisation using region-specific substance P and neurokinin A antisera. **Comp. Biochem. Physiol.**, 94C, 533-541.
8. Fairweather, I., Mahendrasingam, S., Johnston, C. F., Halton, D. W. and **Shaw, C.** (1990) Peptidergic nerve elements in three developmental stages of the tetraphyllidean tapeworm, *Trilocularia acanthiaevulgaris*: an immunocytochemical study. **Parasitol. Res.** 76, 497-508.
9. McKay, D. M., Halton, D. W., McCaigue, M. D., Johnston, C. F., Fairweather, I. and **Shaw, C.** (1990) *Hymenolepis diminuta*: intestinal goblet cell response to infection in male C57 mice. **Exp. Parasitol.**, 71, 9-20.
10. McKay, D. M., Halton, D. W., Johnston, C. F., Fairweather, I. and **Shaw, C.** (1990) *Hymenolepis diminuta*: changes in intestinal morphology and the enterochromaffin cell population associated with infection in male C57 mice. **Parasitology** 101, 107-113.
11. Maule, A. G., Halton, D. W., Johnston, C. F., **Shaw, C.** and Fairweather, I. (1990) The serotonergic, cholinergic and peptidergic components of the nervous system in the

monogenean parasite, *Diclidophora merlangi*: A cytochemical study. **Parasitology** 100, 255-273.

12. Maule, A. G., Halton, D. W., Johnston, C. F., **Shaw, C.** and Fairweather, I. (1990) A cytochemical study of the serotonergic, cholinergic and peptidergic components of the reproductive system in the monogenean parasite, *Diclidophora merlangi*. **Parasitol. Res.** 76, 409-419.

13. McKay, D. M., **Shaw, C.**, Halton, D. W., Johnston, C. F. and Fairweather, I. (1990) Mammalian regulatory peptide immunoreactivity in the trematode parasite, *Haplometra cylindracea*, and the lung of its frog host, *Rana temporaria*: comparative chromatographic characterisation using reverse phase high performance liquid chromatography. **Comp. Biochem. Physiol.**, 96C, 345-351.

14. Skuce, P.J., Johnston, C.F., Fairweather, I., Halton, D. W. and **Shaw, C.** (1990) A confocal scanning laser microscope study of the peptidergic and serotonergic components of the nervous system in larval *Schistosoma mansoni*. **Parasitology**, 101, 227-234.

15. Magee, R. M., Fairweather, I., **Shaw, C.**, McKillop, J. M., Montgomery, W. I., Johnston, C. F. and Halton, D. W. (1991) Quantification and partial characterisation of regulatory peptides in the liver fluke, *Fasciola hepatica*, from different mammalian hosts. **Comp. Biochem. Physiol.** 99C, 201-207.

16. Maule, A. G., **Shaw, C.**, Halton, D. W., Thim, L., Johnston, C. F., Fairweather, I. and Buchanan, K. D. (1991) Neuropeptide F: a novel parasitic flatworm regulatory peptide from *Moniezia expansa* (Cestoda: Cyclophyllidea), **Parasitology** 102, 309-316.

17. Magee, R. M., **Shaw, C.**, Fairweather, I., Thim, L., Johnston, C. F. and Halton, D. W. (1991) Isolation and partial sequencing of a pancreatic polypeptide-like neuropeptide from the liver fluke, *Fasciola hepatica*, **Comp. Biochem. Physiol.** 100C, 507-511.

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19. Maule, A. G., **Shaw, C.**, Halton, D. W., Johnston, C. F., Fairweather, I. and Buchanan, K. D. (1992) Immunochemical and chromatographic analyses of a neuropeptide from the monogenean parasite, *Diclidophora merlangi*: evolutionary aspects of the neuropeptide Y superfamily. **Comp. Biochem. Physiol.**, 102C, 517-522.

20. Halton, D. W., Brennan, G. P., Maule, A. G., **Shaw, C.**, Johnston, C. F. and Fairweather, I. (1991) The ultrastructure and immunogold-labelling of pancreatic-polypeptide immunoreactive cells associated with the egg-forming apparatus of a monogenean parasite, *Diclidophora merlangi*, **Parasitology** 102, 429-436.

21. McKay, D. M., Halton, D. W., Johnston, C. F., **Shaw, C.**, Fairweather, I. and Buchanan, K. D. (1991) *Hymenolepis diminuta*: changes in the levels of certain intestinal regulatory peptides in infected C57 mice, **Exp. Parasitol.** 73, 15-26.

22. McKay, D. M., Halton, D. W., Maule, A. G., Johnston, C. F., **Shaw, C.** and Fairweather, I. (1991) Putative neurotransmitters in two monogeneans, **Helminthologica** 28, 75-81.

23. McKay, D. M., Halton, D. W., Johnston, C. F., Fairweather, I. and Shaw, C. (1991) Cytochemical demonstration of cholinergic, serotonergic and peptidergic nerve elements in *Gorgoderina vitelliloba* (Trematoda: Digenea). **Int. J. Parasitol.** 21, 71-80.
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29. McKay, D. M., Halton, D. W., Johnston, C. F., Shaw, C. and Fairweather, I. (1992) Cytochemical observations on cholinergic, serotonergic and peptidergic neuronal pathways in *Cephalochlamys namaquensis* (Cestoda: Pseudophyllidea). **J. Helminthology**, 66, 205-212.
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34. Barton, C. L., Halton, D. W., Shaw, C., Maule, A. G. and Johnston, C. F. (1993) An immunocytochemical study of putative neurotransmitters in the metacercaria of two strigeoid trematodes from rainbow trout (*Oncorhynchus mykiss*). **Parasitol. Res.**, 79, 389-396.
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38. Brownlee, D.J.A., Fairweather, I., Johnston, C.F., Smart, D., Shaw, C. and Halton, D.W. (1993) Immunocytochemical demonstration of neuropeptides in the central nervous system of the roundworm, *Ascaris suum* (Nematoda: Ascaroidea). **Parasitology**, 106, 305-316.
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43. Brennan, G.P., Halton, D.W., Maule, A.G. and Shaw, C. (1993) Electron immunogold labeling of regulatory peptide immunoreactivity in the nervous system of *Moniezia expansa* (Cestoda: Cyclophyllidea). **Parasitol. Res.**, 79, 409-415.
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47. Marks, N.J., Halton, D.W., Kearn, G.C., [Shaw, C.](#) and Johnston, C.F. (1994) 5-hydroxytryptamine-immunoreactivity in the monogenean parasite, *Entobdella soleae*. **Int. J. Parasitol.** 24, 1011-1018.
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52. Day, T.A., Maule, A.G., [Shaw, C.](#), Halton, D.W., Moore, S., Bennett, J.L. and Pax, R.A. (1994) Platyhelminth FMRFamide-related peptides (FaRPs) contract *Schistosoma mansoni* (Trematoda: Digenea) muscle fibres in vitro. **Parasitology**, 109, 455-459.
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