Parasitology

CAMBRIDGE UNIVERSITY PRESS

Parasitology

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- MEIS, J. F. G. M. & VERHAVE, J. P. (1988). Exoerythrocytic development of malaria parasites. In *Advances in Parasitology*, Vol. 27 (ed. Baker, J. R. & Muller, R.), pp. 1-61. London: Academic Press.
- SMYTH, J. D. & HALTON, D. W. (1971). The Physiology of Trematodes, 2nd edn. Cambridge: Cambridge University Press.

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