

PARASITOLOGY

CONTENTS

REVIEW ARTICLE

- Importance of serological cross-reactivity among *Toxoplasma gondii*, *Hammondia* spp., *Neospora* spp., *Sarcocystis* spp. and *Besnoitia besnoiti*

Luis F.P. Gondim, José R. Mineo and Gereon Schares

851

RESEARCH ARTICLES

- The antimalarial action of FK506 and rapamycin: evidence for a direct effect on FK506-binding protein PfFKBP35

Paul Monaghan, Darren B. Leneghan, Wesley Shaw and Angus Bell

869

- Evaluating the submission of digital images as a method of surveillance for *Ixodes scapularis* ticks

J.K. Koffi, J. Savage, K. Thivierge, L.R. Lindsay, C. Bouchard, Y. Pelcat and N.H. Ogden

877

- Hosts and vectors of *Trypanosoma cruzi* discrete typing units in the Chagas disease endemic region of the Paraguayan Chaco

Nidia Acosta, Elsa López, Michael D. Lewis, Martin S. Llewellyn, Ana Gómez, Fabiola Román, Michael A. Miles and Matthew Yeo

884

- Immunodiagnosis of paramphistomosis using monoclonal antibody-based sandwich ELISA for detection of *Paramphistomum gracile* circulating 16 kDa antigen

Panat Anuracpreeda, Kullanalid Tepsupornkul and Runglawan Chawengkirtikul

899

- Nonsteroidal anti-inflammatory is more effective than anti-oxidant therapy in counteracting oxidative/nitrosative stress and heart disease in *T. cruzi*-infected mice

Rômulo D. Novaes, Elizâria C. Santos, Maria Do Carmo Q. Fialho, Wagner G. Gonçalves, Priscila L. Sequeira, André Talvani and Reggiani V. Gonçalves

904

- Predation on transmission stages reduces parasitism: sea anemones consume transmission stages of a barnacle parasite

Caitlin R. Fong and Armand M. Kuris

917

- Identification of potential protein partners that bind to the variant surface glycoprotein in *Trypanosoma equiperdum*

Liomary M. Carrasquel, José L. Escalona, Alvaro Acosta-Serrano, Yurong Guo and José Bubis

923

- To see or not to see: non-invasive imaging for improved readout of drug treatment trials in the murine model of secondary alveolar echinococcosis

D. Gorgas, N. Marreros, R. Rufener, A. Hemphill and B. Lundström-Stadelmann

937

- Consistent patterns of trophic niche specialization in host populations infected with a non-native copepod parasite

J. Pegg, D. Andreou, C.F. Williams and J.R. Britton

945

- Detecting hybridization in African schistosome species: does egg morphology complement molecular species identification?

Nele A.M. Boon, Wouter Fannes, Sara Rombouts, Katja Polman, Filip A.M. Volckaert and Tine Huyse

954

- Improved diagnosis of *Trichuris trichiura* by using a bead-beating procedure on ethanol preserved stool samples prior to DNA isolation and the performance of multiplex real-time PCR for intestinal parasites

Maria M.M. Kaisar, Eric A.T. Brienen, Yenny Djuardi, Erliyani Sartono, Maria Yazdanbakhsh, Jaco J. Verweij, Taniawati Supali and Lisette Van Lieshout

965

- Parasitism as the main factor shaping peptide vocabularies in current organisms

Michaela Zemková, Daniel Zahradník, Martin Mokrejš and Jaroslav Flegr

975

- Host associations and turnover of haemosporidian parasites in manakins (Aves: Pipridae)

Alan Fecchio, Maria Svensson-Coelho, Jeffrey Bell, Vincenzo A. Ellis, Matthew C. Medeiros, Christopher H. Trisos, John G. Blake, Bette A. Loiselle, Joseph A. Tobias, Rebeka Fanti, Elyse D. Coffey, Iubatā P. De Faria, João B. Pinho, Gabriel Felix, Erika M. Braga, Marina Anciães, Vasyl Tkach, John Bates, Christopher Witt, Jason D. Weckstein, Robert E. Ricklefs and Izeni P. Farias

984