

PARASITOLOGY

CONTENTS

REVIEW ARTICLES

Applicability of plant-based products in the treatment of *Trypanosoma cruzi* and *Trypanosoma brucei* infections: a systematic review of preclinical *in vivo* evidence

Rodrigo M. Pereira, Glícia M.Z. Greco, Andreia M. Moreira, Pablo F. Chagas, Ivo S. Caldas, Reggiani V. Gonçalves and Rômulo D. Novaes

1275

The role of rare innate immune cells in Type 2 immune activation against parasitic helminths

Lauren M. Webb and Elia D. Tait Wojno

1288

RESEARCH ARTICLES

Long-read sequencing improves assembly of *Trichinella* genomes 10-fold, revealing substantial synteny between lineages diverged over 7 million years

Peter C. Thompson, Dante S. Zarlenga, Ming-Yuan Liu and Benjamin M. Rosenthal

1302

Lineage-specific expansion and loss of tyrosinase genes across platyhelminths and their induction profiles in the carcinogenic oriental liver fluke, *Clonorchis sinensis*

Seon-Hee Kim and Young-An Bae

1316

Evaluation of the impact of 2 years of a dosing intervention on canine echinococcosis in the Alay Valley, Kyrgyzstan

F. van Kesteren, A. Mastin, P.R. Torgerson, Bermet Mytynova and P.S. Craig

1328

Evaluation of benzimidazole resistance status in *Ascaridia galli*

B. Tarbiat, D.S. Jansson, E. Tydén and J. Höglund

1338

Infection, specificity and host manipulation of *Australapatemon* sp. (Trematoda, Strigeidae) in two sympatric species of leeches (Hirudinea)

Anssi Karvonen, Anna Faltýnková, Jocelyn Mah Choo and E. Tellervo Valtonen

1346

***Schistosoma mansoni* cercarial elastase (SmCE): differences in immunogenic properties of native and recombinant forms**

Marwa H. El-Faham, Katherine J. Wheatcroft-Francklow, Helen P. Price, Jon R. Sayers and Michael J. Doenhoff

1356

Revisiting the role of dissimilarity of host communities in driving dissimilarity of ectoparasite assemblages: non-linear vs linear approach

Luther Van Der Mescht, Irina S. Khokhlova, Elizabeth M. Warburton and Boris R. Krasnov

1365

Anti-parasitic effect of the diuretic and Na⁺-ATPase inhibitor furosemide in cutaneous leishmaniasis

N. Arruda-Costa, D. Escrivani, E.E. Almeida-Amaral, J.R. Meyer-Fernandes and B. Rossi-Bergmann

1375

The use of *Escherichia coli* total antigens as a complementary approach to address seropositivity to *Leishmania* antigens in canine leishmaniasis

Carla Lima, João Rodrigo Mesquita, Hugo Brancal, Thomas Vahlenkamp, Ana Rafaela Teixeira, Luís Cardoso, Célia Amorim, Nuno Santarém and Anabela Cordeiro da Silva

1384

New data on flatfish scuticociliatosis reveal that *Miamiensis avidus* and *Philasterides dicentrarchi* are different species

Ana-Paula de Felipe, Jesús Lamas, Rosa-Ana Sueiro, Iria Folgueira and José-Manuel Leiro

1394

***Demodex canis* regulates cholinergic system mediated immunosuppressive pathways in canine demodicosis**

P. Kumari, R. Nigam, A. Singh, U.P. Nakade, A. Sharma, S.K. Garg and S.K. Singh

1412