

## [LS-7. Invertebrates and parasitology](#)

8 September, 17:00 - 19:00 / 9 September, 16:30 - 18:30

### **LS-7-P-1445**

**The antihelminthic effects of a plant-derived compound, plumbagin (5-hydroxy-2-methyl-1,4-naphthoquinone), against *Fasciola gigantica* and *Schistosoma mansoni***

Presenting author: **Lorsuwannarat N.**

*Authors: Lorsuwannarat N., Wanichanon C., Sobhon P.*

### **LS-7-P-1512**

**The effect of plumbagin from *Plumbago indica* root against motility of adult *Haemonchus placei*.**

Presenting author: **Saowakon N.**

*Authors: Saowakon N., Sobhon P.*

### **LS-7-P-1532**

**3D structural analysis of malaria parasite-infected red blood cells by SBF-SEM**

Presenting author: **Sakaguchi M.**

*Authors: Sakaguchi M., Miyazaki N., Fujioka H., Kaneko O., Murata K.*

### **LS-7-P-1628**

**Production and Characterization of Monoclonal Antibody Against Recombinant Leucine Aminopeptidase (rFgLAP) of *Fasciola gigantica***

Presenting author: **Chantree P.**

*Authors: Chantree P., Changklungmoa N., Songkoomkrong S., Wanichanon C., Sobhon P.*

### **LS-7-P-1704**

**Co-localization of crustacean hyperglycemic hormone (CHH) and molt-inhibiting hormone (MIH) in the eyestalk of the black tiger shrimp, *Penaeus monodon***

Presenting author: **Pratoomthai B.**

*Authors: Pratoomthai B., Chayaburakul K., Anantasomboon G., Withyachumnarnkul B.*

### **LS-7-P-1722**

**Morphological differences between African camallanid nematodes revealed by SEM**

Presenting author: **Masova S.**

*Authors: Masova S., Barus V.,*

### **LS-7-P-1769**

**Behavior of the Lysosome related organelle during differentiation of *Giardia intestinalis***

Presenting author: **Benchimol M.**

*Authors: Midlej V., De Souza W., , Benchimol M.,*

### **LS-7-P-1859**

**Using environmental scanning electron microscopy (ESEM) as a non-invasive method to studying fixed parasites**

Presenting author: **Masova S.**

*Authors: Masova S., Nedela V., Tihlarikova E.*

#### **LS-7-P-1910**

##### **Improved preservation of *Toxoplasma gondii* by High Pressure Freezing and Freeze-Substitution**

Presenting author: **Attias M.**

*Authors: Travassos de Lima R., De Souza W., Attias M.*

#### **LS-7-P-1923**

##### **Trypanosomes associated with the woylie, a critically endangered Australian marsupial**

Presenting author: **Clode P. L.**

*Authors: Clode P. L., Botero A., Thompson A.*

#### **LS-7-P-1950**

##### **Existence and localization of COX 1 in the ovary of the giant freshwater prawn, *Macrobrachium Rosenbergii***

Presenting author: **Soonklang N.**

*Authors: Soonklang N., Sumpownon C., Stewart P., Wanichanon C., Sobhon P.*

#### **LS-7-P-2065**

##### **Localization of the cathepsin L isoforms in the salivary glands of the hard tick *Ixodes ricinus* by transmission electron microscopy**

Presenting author: **Schrenková J.**

*Authors: Schrenková J., Vancová M., Nebesářová J., Kopáček P.*

#### **LS-7-P-2079**

##### **Microscopy analyses of trilobite exoskeletons, new insight into an old topic**

Presenting author: **Rak S.**

*Authors: Rak S., Laibl L., Burdikova Z.*

#### **LS-7-P-2105**

##### **The search for magnetoreceptive cells in the honeybee *Apis mellifera***

Presenting author: **Shaw J.**

*Authors: Boyd A., Saunders M., House M., Baer B., Cowin G., Mathes F., Shaw J.*

#### **LS-7-P-2195**

##### **Biological effect and subcellular localization of aromatic diamidines in *Trypanosoma cruzi***

Presenting author: **Batista D. G.**

*Authors: Batista D. G., Kumar A., Branowska D., Ismail M. A., Hu L., Boykin D. W., Soeiro M. C.*

#### **LS-7-P-2240**

##### **Detection and immunolocalization of the enzyme constitutive nitric oxide synthase (cNOS) in promastigotes forms of the *Leishmania (Viannia) braziliensis* and *Leishmania (Leishmania) amazonensis***

Presenting author: **Farias L. S.**

*Authors: Furtado R. R., Rodrigues A. D., Farias L. S., Silva E. O.,*

#### **LS-7-P-2247**

##### **Ultrastructure of Proventriculus and Midgut of *Graphosoma lineatum* (Linnaeus, 1758) (Heteroptera: Pentatomidae)**

Presenting author: **Amutkan D.**

*Authors: Amutkan D., Suludere Z., Candan S.*

**LS-7-P-2248**

**Ultrastructure of Rectum of Graphosoma lineatum (Linnaeus, 1758) (Heteroptera: Pentatomidae)**

Presenting author: **Amutkan D.**

*Authors: Amutkan D., Suludere Z., Candan S.*

**LS-7-P-2251**

**Morphology and ultrastructure of the midgut in Poecilimon cervus Karabag, 1950 (Orthoptera, Tettigoniidae) based on light, scanning and transmission electron microscopes**

Presenting author: **Polat I.**

*Authors: Polat I., Suludere Z., Candan S.*

**LS-7-P-2254**

**Structure of the Malpighian tubules in Poecilimon cervus Karabag, 1950 (Orthoptera, Tettigoniidae)**

Presenting author: **Polat I.**

*Authors: Polat I., Suludere Z., Candan S.*

**LS-7-P-2258**

**The Morphology, Histology and Ultrastructure of the Female Reproductive System of Eurydema ventrale (Heteroptera: Pentatomidae)**

Presenting author: **Özyurt N.**

*Authors: Özyurt N., Candan S., Suludere Z.*

**LS-7-P-2260**

**Ultrastructure of the Male Reproductive System of Codophila varia (Heteroptera: Pentatomidae)**

Presenting author: **Özyurt N.**

*Authors: Özyurt N., Candan S., Suludere Z.*

**LS-7-P-2270**

**Correlative Light and Electron Microscopy in Borrelia Research**

Presenting author: **Strnad M.**

*Authors: Strnad M., Vancová M., Rego R., Grubhoffer L., Nebesářová J.*

**LS-7-P-2421**

**Ultrastructural alterations induced by sesquiterpene lactone on Trypanosoma cruzi**

Presenting author: **Da Silva C. F.**

*Authors: Da Silva C. F., Batista D. J., Siciliano J. A., Batista M. M., Lionel J., De Souza E. M., Hammer E. R., Silva P. B., De Meri M., Adams M., Zimmermann S., Hamburger M., Brun R., Schühly W., Soeiro M. C.*

**LS-7-P-2489**

**Mitosome behavior during the life cycle of the pathogenic protozoan Giardia intestinalis**

Presenting author: **Midlej V.**

*Authors: Midlej V., Penha L., Silva R., De Souza W., Benchimol M.,*

#### **LS-7-P-2555**

##### **Nucleolar assembly during mitosis of the epimastigotes of *Trypanosoma cruzi***

Presenting author: **Nepomuceno T.**

*Authors: Nepomuceno T., Lara R., Hernandez R., Segura L., Jimenez L.*

#### **LS-7-P-2575**

##### **Morphometric Analysis of Granulomas in *Nectomys squamipes* Brants, 1827 (Rodentia: Sigmodontinae) naturally infected with *Schistosoma mansoni* Sambon, 1907 (Digenea: Schistosomatidae).**

Presenting author: **Amaral K. B.**

*Authors: Amaral K. B., Dias F. F., Silva T. P., Malta K. K., Gentili R., Neto S. F., Melo R. C.*

#### **LS-7-P-2663**

##### **Immunofluorescence imaging helps to elucidate the role of membrane-bound enzymes of *Spodoptera frugiperda* (Lepidoptera) in adaptive mechanism against plant protease inhibitors**

Presenting author: **Marques P. P.**

*Authors: Oliveira C. F., Marques P. P., Macedo M. L.*

#### **LS-7-P-2751**

##### **Optimization of microscopic procedures for study of monogenean anatomy**

Presenting author: **Hodová I.**

*Authors: Hodová I., Vaškovicová N., Gelnar M., Valigurová A.*

#### **LS-7-P-2902**

##### **Three-dimensional analysis of the biogenesis of hemozoin crystals during intra-erythrocytic cycle of *Plasmodium chabaudi***

Presenting author: **Wendt C.**

*Authors: Wendt C., Rachid R., de Souza W., Miranda K.,*

#### **LS-7-P-2906**

##### **Microscopy Techniques Unveil the Mechanism of Action of Berenil, a DNA Binding Drug, on *Trypanosoma cruzi***

Presenting author: **Zuma A. A.**

*Authors: Zuma A. A., Cavalcanti D. P., Thiry M., de Souza W., Motta M. C.*

#### **LS-7-P-3141**

##### **Orangutan faeces under scanning electron microscopy**

Presenting author: **Hodová I.**

*Authors: Foitová I., Hodová I., Nurcahyo W.*

#### **LS-7-P-3264**

##### **Ultrastructural characterization of Ovarian Follicle atresia in *Rhodnius prolixus* infected by *Trypanosoma rangeli***

Presenting author: **Gomes S. A.**

*Authors: Machado G. S., Freitas S. C., Santos-Mallet J. R., Feder D., Gomes S. A.*

#### **LS-7-P-3336**

##### **Ultrastructural aspects of *Toxoplasma gondii* egress**

Presenting author: **Caldas L. A.**

*Authors: Caldas L. A., Seabra S. H., Attias M., De Souza W.,*

**LS-7-P-3496**

**Different Uptake Mechanisms Dependent on Actin and Tubulin Dynamics Occur During *Cryptococcus neoformans* Internalization by Peritoneal Macrophages.**

Presenting author: **Guerra C. R.**

*Authors: Guerra C. R., Seabra S. H., de Souza W., Rozental S.*

**LS-7-P-3497**

**Elucidating the development of *Wolbachia* in the larval stages of *Dirofilaria immitis***

Presenting author: **Kozek W. J.**

*Authors: Kozek W. J., Cangani C. C., Santiago N., Subkorndej P.*

**LS-7-P-5712**

**The sperm of *Triatoma brasiliensis* and *Triatoma shelocki* (Insecta, Reduviidae, Triatominae)**

Presenting author: **Freitas S. C.**

*Authors: Baffa A. F., Silva E. R., Santos-Mallet J. R., Freitas S. C.*

**LS-7-P-5713**

**Localization of acid phosphatase activity in sperm of *Triatoma brasiliensis* (Insecta, Reduviidae, Triatominae)**

Presenting author: **Freitas S. C.**

*Authors: Freitas S. C., Santos-Mallet J. R.*

**LS-7-P-5732**

**Toxicity parasite cell response by CdTe nanoparticles**

Presenting author: **Feder D.**

*Authors: Gomes S. A., Vieira C. S., Marques W. A., Almeida D. B., Pacheco J. P., Menna-Barreto R. S., Santos-Mallet J. R., Cesar C. L., Feder D.*

**LS-7-P-5904**

**Induction of calcium-dependent events relating to cell invasion in *Toxoplasma gondii* tachyzoites.**

Presenting author: **González-Del Carmen M.**

*Authors: González-del Carmen M., Cariño-Calvo L., Trujillo J. U., Huerta M. J., Valdés A., Gonzalez S., Mondragon R.*

**LS-7-P-5916**

**Morphological analyses with transmission electron microscope of Cryptosporidium obtained from raw water supplies**

Presenting author: **Afzan M Y**

*Authors: Afzan M Y, Hizri M A*

**LS-7-P-5917**

**Characteristic of Ascaris lumbricoides in stool of humans by scanning electron microscopy**

Presenting author: **Mardhiah M**

*Authors: Mardhiah M, Nurul Munirah A*

**LS-7-P-5933**

**The apicomplexan parasite Babesia divergens internalizes Band 3, Glycophorin A and Spectrin during invasion of human red blood cells**

Presenting author: **Repnik U.**

*Authors: Repnik U., Gangopadhyay P., Bietz S., Przyborski J. M., Griffiths G., Lingelbach K.*

**LS-7-P-5934**

**Ultrastructural aspects of the tunic wound repair in Styela plicata and Ciona intestinalis (Tunicata)**

Presenting author: **Di Bella M. A.**

*Authors: Di Bella M. A., De Leo G.*

**LS-7-P-5997**

**Outer surface identification of Trichostrongylus eggs obtained from goat faecal samples in Malaysia**

Presenting author: **Afzan MY**

*Authors: Afzan MY, Syahmeiyah WI, Hazirah NH*

**LS-7-P-6057**

**New Insights on the Cytoskeleton of Giardia lamblia using Helium Ion Microscopy and Ultra High Resolution Scanning Electron Microscopy**

Presenting author: **Gadelha A. P.**

*Authors: Gadelha A. P., de Souza W.*