

# **SCIENTIFIC PROGRAM**

**Monday, December 17, 2012**

## **Workshop: Chemotherapy and Prevention of Parasitic Diseases**

- 08:00 – 09:00**            **Registration**
- 09:00 -10:45**            **Session 1: Malaria and Giardiasis**
- Chairs: Hagai Ginsburg & Esther Marva**
- 09:00 – 09:25**            **Possible mechanism of hypotension in severe malaria - Nicholas H. Hunt, Yutang Wang, Hanzhong Liu, Gavin McKenzie, Paul K. Witting, Ben J. Wu, Helen J Ball, Shane R. Thomas, John F. Keaney, Jr & Roland O. Stocker**
- 09:25 – 09:45**            **Immunomodulator and anti-plasmodial drug combinations for treatment of cerebral malaria (CM) - Jacob Golenser, Judith Waknine-Grinberg, Haim Ovadia, Gabriele Schramm, Helmut Haas, Jintao Guo, Nicholas H. Hunt, Yechezkel Barenholz**
- 09:45 – 10:00**            **Artemether-Lumefantrine (Coartem®) compared with Atovaquone-proguanil (Malarone®) as a treatment for Plasmodium falciparum Malaria in travelers - Shirly Grynberg & Eli Schwartz**
- 10:00 – 10:15**            **The contemporary epidemiology of giardiasis in Israel - Eran Kopel, Chantal Sadik, Esther Marva & Emilia Anis**
- 10:15 – 10:30**            **Giardiasis treatment failure – insight from case studies in travelers - Eyal Meltzer & Eli Schwartz**
- 10:30 – 10:45**            **Impaired parasite attachment as fitness cost of metronidazole resistance in *Giardia lamblia* - Noa Tejman-Yarden, Maya Millman, Tineke Lauwaet, Barbara J. Davids, Frances D. Gillin, Linda Dunn, Jacqueline A. Upcroft, Yukiko Miyamoto & Lars Eckmann**

- 10: 45 - 11:00**      ***Giardia duodenalis* in domestic animals: prevalence and zoonotic significance** - Alex Markovics, A., Argentaro, S., Baneth, G. & Kuzi, S.
- 11:00 – 11:30**      **Coffee break**
- 11:30- 13:00**      **Session 2: Leishmaniasis**
- Chair: Charles Jaffe & Lionel Schnur**
- 11:30 – 11:50**      **Liposomal Amphotericin B in comparison to Sodium Stibogluconate for *Leishmania braziliensis* cutaneous leishmaniasis in travelers** - Schwartz E, Solomon M, Pavlotzki F & Barzilai A.
- 11:50 – 12:05**      **Treatment of *Leishmania tropica* in children: A retrospective study** - Michal Solomon, Eli Schwartz, Felix Pavlotsky, Aviv Barzila & Shoshana Greenberger
- 12:05 – 12:25**      **Hypoxia impairs the NO-dependent leishmanicidal activity of macrophages and prevails in the skin lesions of *Leishmania major*-infected mice** - Alexander Mahnke, Robert M. Meier, Valentin Schatz, Kirstin Castiglione, Andrea Debus, Heidi Sebald, Ulrike Schleiche, Otto Wolfbeis, Christian Bogdan & Jonathan Jantsch
- 12:25 – 12:45**      **Development of Drugs Against Leishmaniasis Using a Rational Approach** - Nir Qvit, Danilo Ciccone Miguel, Vivian I. Bonano, Deborah Schechtman, Silvia R. B. Uliana & Daria Mochly-Rosen
- 12:45 – 13:00**      **Cutaneous leishmaniasis in Sde Eliyahu: Deciphering the transmission cycle** - Faiman, R., Abbasi, I., Jaffe, C.L., Motro, Y., Nasereddin, A., Schnur, L.F., Torem, M. Pratlong, F., Dedet, J-P. & Warburg, A.
- 13:00 - 14:00**      **Lunch**

- 14:00 - 15:30**            **Session 3: Helminthes and Ectoparasites**
- Chairs: David Hassin & Kosta Y. Mumcuoglu**
- 14:00 – 14:15**            **Strongyloidiasis: A case report – Gut Ledergor**
- 14:15 – 14:30**            **Challenges in the diagnosis of strongyloidiasis in Israel - Tamar Grossman, Guy Ledergor, Noa Kostiner, Moshe Ephros & Esther Marva**
- 14:30 – 14:45**            **Strongyloides hyperinfection in Israel - Eyal Nadir & Oren Zimhony**
- 14:45 – 15:00**            **The Treatment of *Diphyllobothrium latum* - More of the same - Tamar Gottesman, Orit Yossepowitch & Michael Dan**
- 15:00 – 15:15**            **The use of insect repellents and related personal protection measures to prevent vector borne diseases - Laor Orshan**
- 15:15 – 15:30**            **New treatment modalities for head lice and scabies – Kosta Y. Mumcuoglu**

**Tuesday, December 18, 2012**

- 08:00 – 09:00**            **Registration**
- 09:00 -10:30**            **Plenary lectures**
- Chairs: Eli Schwartz & Jacob Golenser**
- 09:00 – 09:30**            **Prospects for prevention and control of malaria** - Nicholas H. Hunt (Australia)
- 09:30 – 10:00**            **Dengue: A hard nut to crack** - Annelies Wilder-Smith (Germany, Singapore)
- 10:00 – 10:30**            **Giardiasis** - Christoph F.R. Hatz (Switzerland)
- 10:30 - 10:45**            **General assembly**
- Honoring Prof. Eugenie Pipano**
- 10:45 - 11:15**            **Coffee break**
- 11:15 - 13:00**            **Parallel sessions (1 and 2)**
- 13 :00 – 14 :00**            **Lunch**
- 14 :00 – 16:00**            **Parallel sessions (3 and 4)**
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- 11:15 - 13:00**            **Session I: Travel Medicine**
- Chair: Michal Chowers & Michael Alkan**
- 11:15 – 11:40**            **Vaccine preventable encephalitis in travelers: Rabies and Japanese encephalitis vaccine** - Christoph F.R. Hatz (Switzerland)
- 11:40 – 12:00**            **Meningococcal vaccines: Indications and strategies in travelers** - Annelies Wilder-Smith (Germany, Singapore)
- 12:00 – 12:15**            **High incidence of food borne illness among travelers to Armenia** - Drorit Attias & Eli Schwartz

- 12:15 – 12:30**      **Laboratory characteristics of non-immune malaria patients in Israel - Shlomit Keller, Eyal Leshem, Nathan Keller & Eli Schwartz**
- 12:30 – 12:45**      **Possible risks of travel-related medications in a cohort of Israeli travelers to tropical countries - Shmuel Stienlauf, Bianca Streltsin, Eran Kopel, Eyal Leshem, Eyal Meltzer, Daniel Kurnik, Gad Segal, Shaye Kivity & Eli Schwartz**
- 12:45 – 13:00**      **Re-emergence of pertussis and introduction of pertussis vaccine to travelers - Esther Marva, Lea Valinsky, Dana Mizrahi, Vered Agmon, Emilia Anis, Paul Slater, Ruslan Gusinov, Daniele Goldmann & Larisa Moerman**
- 11:15 - 13:00**      **Session 2: Molecular Parasitology**  
**Chairs: Dan Zilberstein & Michal Shapira**
- 11:15 – 11:30**      **Signalling for *Leishmania* differentiation induces a parasite-specific protein kinase pathway - Polina Tsigankov, Pier Federico Gherardini, Manuela Helmer-Citterich & Dan Zilberstein**
- 11:30 – 11:45**      **Functional genomics of amino acid transporters in the human pathogen *Leishmania*: the story of proline and alanine - Dan Zilberstein, Ehud Inbar, Doreen Schlisselberg, Marianne Suter Grotemeyer & Doris Rentsch**
- 11:45 – 12:00**      **New and old players in the translation apparatus of *Leishmania* - the role of cap-binding proteins and the eIF3 complex in adapting to physiological stresses - Alexandra Zinoviev, Shahar Manor & Michal Shapira**
- 12:00 – 12:15**      **The role of cis element and antisense ncRNAs in var gene regulation in the malaria parasite *Plasmodium falciparum*. - Inbar Avraham & Ron Dzikowski**
- 12:15 – 12:30**      **A novel *Plasmodium falciparum* SR protein is an alternative splicing factor that is required for parasite proliferation in human erythrocytes - Eshar S., Alemand E., Sebag A., Glaser F., Mandel-Gutfreund Yael, Karni R. & R. Dzikowski**

- 12:30 – 12:45**      **Identification of S-nitrosylated proteins in *Entamoeba histolytica* with emphasis on Dnmt2 regulation by Nitric Oxide**  
- Rivi Hertz & Serge Ankri
- 12:45 – 13:00**      **Evaluation of quantitative real-time kinetoplast DNA-PCR for detecting and quantifying *Leishmania donovani* in large numbers of dried human blood samples -from a visceral leishmaniasis focus in Northern Ethiopia** - Samar Aramin, Ibrahim Abassi, Asrat Hailu & Alon Warburg
- 14:00 – 16:00**      **Session 3: Tropical Medicine**  
  
**Chairs: Nathan Keller & Mervyn Shapiro**
- 14:00 – 14:15**      **NS1 antigen testing for the diagnosis of dengue in returned Israeli travelers** - Inbal Fuchs, Hana Bin, Sara Schlesinger & Eli Schwartz
- 14:15 – 14:30**      **Acute hepatitis in Israeli travelers** - Tamar Lachish & Eli Schwartz
- 14:30 – 14:45**      **Recurrent furunculosis in returning travelers** – Ofir Artzi, Maya Sinai, & Eli Schwartz
- 14:45 – 15:00**      **Case report: Thailand- Not just a pretty place – Clinical case and review of the literature** - Michal Katzir & Michal Chowers
- 15:00 – 15:15**      **Case report: Not always what it looks like – A refugee from Eritrea with a tumor-like mass in the liver** - Yael Paran & Steve Berger
- 15:15 – 15:30**      **The changing epidemiology of human African trypanosomiasis among patients from non-endemic countries: 1902-2012** – Ami Neuberger, Eyal Meltzer, Eyal Leshem, Yaakov Dickstein, Shmuel Steinlauf & Eli Schwartz
- 15:30 – 15:45**      **"Tropical" and unusual infections among undocumented migrants who are treated at the designated clinics in Tel-Aviv, Israel** - Zohar Mor, Nadav Davidovitch, Ido Lurie, Alex Leventhal, Michael Dor & Itamar Grotto
- 15:45 – 16:00**      **Discussion**

- 14:00 – 16:00**      **Session 4: General Parasitology**
- Chairs: Joseph El-On & Gad Baneth**
- 14:00 – 14:15**      **Increasing in rate of detection of enteric parasites by using different diagnostic methods - Elsa R. Pavlotzky, Lilia Milner, Svetlana Shpraga & Shifra Ken-Dror**
- 14:15 – 14:30**      **Immunomodulatory effect of the tellurium compound AS101 on *Leishmania major* promastigotes and amastigotes in culture and in experimentally infected mice - P. Berenstein, B. Sredni & J. El-On**
- 14:45 – 15:00**      **Detection and molecular identification of *Ixodes ricinus* on beef cattle in Israel - Oran Erster, Asael Roth, Yuval Hadani & Varda Shkap**
- 15:00 – 15:15**      **Mitochondrial markers as a tool for tick identification and phylogenetic analysis - Oran Erster, Asael Roth, Ricardo Wollkomirsky, Benny Leibovich & Varda Shkap**
- 15:15 – 15:30**      **Molecular identification of *Rickettsia aeschlimannii* and *Rickettsia africae* in *Hyalomma* spp. ticks and camels from Israel - Gabriela Kleinerman, Gad Baneth, Kosta Y. Mumcuoglu, Michael van Straten, Dalia Berlin, Dmitry A. Apanaskevich & Shimon Harrus**
- 15:30 – 15:45**      **Prevalence of *Bartonella* species in stray and domestic cats from Israel - Ricardo Gutierrez, Danny Morick, Ifat Gross, Ronen Winkler & Shimon Harrus**
- 15:45 – 16:00**      **Discussion**