



Centro de Malária e Doenças Tropicais
Laboratório Associado



***First Iberoamerican Workshop on Chagas Disease,
Triatomine vectors, Trypanosoma cruzi, and Triatoma
virus***

Lisbon, 13-16 September 2010

Centro de Malária e Outras Doenças Tropicais (CMDT)
Instituto de Higiene e Medicina Tropical (IHMT)
Rua da Junqueira 100, Lisbon - Portugal

Organizers:

- Marcelo S. Silva (IHMT/CMDT, Portugal)
- Diego M.A. Guérin (UPV/EHU – Unidad de Biofísica (UB) – Fundación Biofísica Bizkaia, Spain)

International Steering Group:

- Virgilio E. Rosario (IHMT/CMDT, Portugal)
- Paz María Salazar Schettino (UNAM, México)
- Felipe Guhl (UA, Colombia)
- Jorge Rabinovich (CEPAVE, Argentina)
- Vanda Bueno (UFLA, Brazil)
- Eusebio Gainza (Praxis Pharmaceuticals, Spain)

Local Organizing Committee (IHMT/CMDT):

- Karina Pires de Sousa
- Andreia Cruz Lança
- Marcelo Silva

Editorial Board Meeting of the Workshop Abstract Book:

- G. Rozas-Dennis (UNS, Argentina)
- B. Espinoza (UNAM, México)
- L. Diotaiuti (FIOCRUZ, Brazil)

Sponsors:

- CYTED-**RedTrV** (<http://www.redtrv.org>)
- Instituto de Higiene e Medicina Tropical (IHMT), Portugal
- Centro de Malária e Outras Doenças Tropicais (CMDT), Portugal
- Fundação para a Ciência e a Tecnologia (FCT), Portugal
- Bio Praxis, Spain
- Universidad del País Vasco (EHU), Spain
- Fundación Biofísica Bizkaia (FBB), Spain

Workshop Objectives:

- To enlarge the CYTED-**RedTrV** platform for knowledge exchange among participants from Latin America and Europe.
- To inform interested stakeholders about the current Chagas disease burden and control strategies.
- To discuss current and future methods and technologies oriented to control triatomines and other insect vectors.
- To inform stakeholders about European and Latin American perspectives, policies and legislation on sustainability aspects of biopesticides production.
- To get feedback from associations, industry sector, and research organizations about using *Triatoma* virus as biological control agent.
- To assess research needs and cooperation opportunities between scientists working on human and animal trypanosomiasis, insect vectors, and viruses.

Workshop Fees:

Participants 100€. Staff members of the IHMT, and members of the CYTED-*RedTrV* 50€.

Official languages: English, Portuguese, and Spanish.

Contact: workshop_trv@ihmt.unl.pt

SCIENTIFIC PROGRAMME

Monday, September 13

8:30-9:45Hs **Registration**

9:45Hs **Welcome words:** Paulo Ferrinho (Director of the IHMT, Portugal)

10:00-13:00Hs **Morning Session 1: Neglected infectious diseases and the Millenium Development Goals.**

Chairman: Marcelo Silva (CMDT/IHMT, Portugal)

Speakers:

- Virgílio E. Rosário (CMDT/IHMT, Portugal) – *Research opportunities and questions in relation to some neglected diseases in Latin America*
- Rodrigo Correa-Oliveira (FIOCRUZ, Brazil) - *Chagas disease: a reemerging neglected disease and a greater challenge for the achievement of the MDGs*

- João C. P. Dias (FIOCRUZ, Brazil) - *Chagas disease: challenges and perspective for the millenium*

11:30-12h00Hs **Coffee**

12:00Hs **Invited speaker**

- Pedro Albajar Viñas (WHO, Geneva) – *Neglected tropical diseases and the millennium development goals. The example of Chagas disease*

13:00-14:30Hs **Lunch**

14:30-18:45Hs **Afternoon Session 2: Chagas Disease control in Latin America and Europe: What is known and what is needed.**

Chairman: Héctor Freilij (HRG, Argentina)

Speakers:

- Lileia Diotaiuti (FIOCRUZ, Brasil) - *Chagas Disease control in Latin America and Europe: What is known and what is needed in Brazil*
- Mario J. Grijalva (UCE, Ecuador) - *The challenges of Controlling Chagas disease in Ecuador*
- Felipe Guhl (UA, Colombia) - *100 años del descubrimiento de la Enfermedad de Chagas: 100 años de soledad?*
- Marinely Bustamante (IIBISMED, Bolivia) - *La enfermedad de Chagas en el Chaco Boliviano*

16:30-16:45Hs **Coffee**

- Jorge Atouguia (CMDT/IHMT, Portugal) – *Doença de Chagas em Portugal*
- Héctor Freilij – *La enfermedad de Chagas en la Argentina*

17:45Hs **Invited Speaker:**

- Joaquim Gascón (CRESIB, Spain) - *Epidemiology of Chagas in Europe and control programs in Spain*

Tuesday, September 14

10:00-13:15Hs **Morning Session 3: Tiatomine vectors: Biology, phyhlogeny, and geographical distribution.**

Chairwoman: Paz María Salazar (UNAM, México)

Speakers:

- Antonieta Rojas de Arias (CEDIC, Paraguay) - *Baited Sensors as Detection Tools of Triatoma infestans Intradomiciliary Reinfestation in Indigenous Communities of the Paraguayan Chaco*
- Dora Feliciangeli (UC, Venezuela) - *Rhodnius prolixus rural y Panstrongylus geniculatus urbano, nuevos retos para el control de la Enfermedad de Chagas en Venezuela*
- Jorge Rabinovich (CEPAVE, Argentina) - *Integration of triatomine knowledge: 'MetaTri', a data base for meta-analysis*

11:30-11:45Hs **Coffee**

- Pedro Cattán (UCh, Chile) - *Ecología de la enfermedad de Chagas en Chile*
- Paz M. Salazar - *Geographical Distribution of 13 Triatomine Vectors that Participate in the Transmission of Chagas disease in México*

12:45Hs **Invited Speaker**

- María Dolores Bargues (UV, Spain) - *Chagas Disease Triatominae Vectors: Strengths and Weaknesses of Molecular DNA Markers used for Classification and Phylogenetic Studies*

13:45-15:00Hs **Lunch**

15:00-19:15Hs **Afternoon Session 4: *Trypanosoma cruzi*: Current knowledge on infection, transmission, and adaptation.**

Chairman: Felipe Guhl (UA, Colombia)

Speakers:

- Henrique Silveira (CMDT/IHMT, Portugal) - *Stimulation of the immune system as a way to control Plasmodium development in the mosquito vector*
- Carlos Robello (IP, Uruguay) - *Virulence factors in Trypanosoma cruzi: unravelling the redox interactome by proteomic and biochemical approaches*
- Alejandro García (UCh, Chile) - *Genotipos clonales de Trypanosoma cruzi en T. infestans silvestres y de domicilio*
- Patricio Diosque (UNS, Argentina) - *Genetic and Phylogenetic Diversity of Trypanosoma cruzi in the Gran Chaco Americano*

17:00-17:15Hs **Coffee**

- Bertha Espinoza (UNAM, México) - *Genetic characterization of Trypanosoma cruzi and its vectors in México*
- Wilson Savino (FIOCRUZ – Brazil) - *Cell migration-related molecules are potential therapeutic targets in Chagas disease*

18:15Hs **Invited Speaker**

- Michel Tibayrenc (IRD, France) – *Integrated genetic epidemiology of Chagas disease*

19:15-20:00Hs **Poster Session**

20:00-21:00Hs **Editorial Board Meeting and Satellite meetings**

Wednesday, September 15

10:00-13:15Hs **Morning Session 5: Triatoma virus: Current knowledge on infection, transmission, and structure**

Chairman: Diego M.A. Guérin

Speakers:

- Gerardo Marti (CEPAVE, Argentina) - *Historia del Descubrimiento y las Investigaciones sobre Triatoma Virus*
- Maria Laura Susevich (UNLP, Argentina) - *Diversidad de Triatoma Virus en Triatomíneos de Argentina*
- Fátima Nogueira (CMDT/IHMT, Portugal) – *Real time PCR as a tool for viral detection and quantification*
- Gabriela Rozas-Dennis (UNS, Argentina) - *Protein and antigenic identity of TrV particles isolated from Triatoma guasayana*
- Marcelo Silva (CMDT/IHMT, Portugal) - *Searching antibodies anti-TrV in Chagas' disease patients. A preliminary immunoscreening study*

12:30- 12:45Hs Coffee

- Emmanuelle Neumann (IBS, France) - *The Triatoma virus (TrV): a structural approach by Cryo-Electron Microscopy*
- Diego M.A. Guérin - *Triatoma Virus: From structure to function*

13:45-15:00Hs Lunch**15:00-18:15Hs Afternoon Session 6: Biological control of noxious insects: Current technology and future perspectives.**

Chairwoman: Vanda Bueno (UFLA, Brazil)

Speakers:

- Guillermo Wallace (Chemotecnica S.A., Argentina) - *Biological control of Chagas disease vectors. Could we transform it into a possibility?*
- Pilar Mateo (INESFLY SA, Spain) - *New mechanism of slow biocides liberation through polymeric micro capsules in paints: INESFLY*
- Eusebio Gainza (BioPraxis Institute, Spain) - *Control Biotecnológico de Vectores de la enfermedad de Chagas*
- Vanda H. P. Bueno - *Biological control of pests: how this works?*

17:00-17:15Hs – Coffee**17:15Hs Invited Speaker**

- Guenter Schaub (R-U B, Germany) - *Biological Control of triatomines: possibilities and difficulties*

18:15-19:30Hs Poster Session (cont.)**21:00Hs Workshop social dinner**

Gather for a unique evening in a typical Portuguese context, and enjoy a great dinner and a special 'Fado' evening.

Thursday, September 16

10:00-11:00Hs **Satellite meetings:** *RedTrV* working commissions and Int. Steering Group

11:00-11:30Hs **Coffee**

11:30-13:00Hs **Round Table: Discussion on Research Needs**
Chairs: **Marcelo Silva and Diego M.A. Guérin**

13:00Hs **Closing of the workshop: Virgílio E. Rosário**



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