

Scientific Meeting – Mekele 23-24, 2010

Participants: All project personnel were invited and most were in attendance at the meeting. In addition, local public health personnel from the Tigrayan Ministry of Health attended and a cadre of Ethiopian students and health-care practitioners were also present.

Chief Project Personnel: Alon Warburg, Amit Huppert, Asrat Hailu, Aysheshm Kassahun, Charles Jaffe, Gad Baneth, Moshe Shenker, Petr Volf, Shewaye Belay Teshome Gebre-Michael

Invited Guests: Gregory Lanzaro (UC Davis, CA, USA population genetics of vectors), Boaz Yuval (Entomologist from the Faculty of agriculture at HUJI), Shlomo Ma'ayan (HIV/AIDS specialist, Hadassah University Hospital, Jerusalem), Richard Ashford (sand fly expert from the Liverpool School of Tropical Medicine), Richard Poché (awardee of a BMGF grant on KA in Bihar), Dia El-Naiem (NIH, expert on leishmaniasis in Sudan), Hashim Ghalib (TDR, expert on leishmaniasis in Sudan)

Dignitaries:

H.E. Mr Abay Woldu - Head ,
Tigray Regional State.

Mr Yohanes Tewolde- Acting
Head, Tigray Regional State Health Bureau

H.E. Oded Ben-Haim - Israeli Ambassador to Ethiopia:

Faculty of Medicine &
Aklilu - Lemma Institute of Pathobiology
Addis Ababa University, Ethiopia

The Kuvim Center For The Study of
Tropical and Infectious Diseases
The Institute of Medical Research Israel - Canada
The Hebrew University- Hadassah Medical School - Israel

**ECOLOGY AND TRANSMISSION
DYNAMICS OF
VISCERAL LEISHMANIASIS
IN ETHIOPIA**

The Hebrew University of Jerusalem
The Gertner Institute
Charles University in Prague
Volcani Center

*Scientific meeting
November 22 - 24, 2010
Mekele - Ethiopia*

**BILL & MELINDA
GATES foundation**

Ecology and Transmission Dynamics of Kala Azar in Ethiopia Scientific Meeting

23/11/2010	Presenter	Presentations
Chairs: Asrat & Alon 9:30 – 10:30	Asrat Hailu	Welcome
	H.E. Abay Woldu, Tigray regional state Head	Significance of the research project for Tigray regional state
	Alon Warburg	The Ethiopian-Israeli-Czech collaboration
	H.E. Ambassador Oded Ben-Haim, Israeli Ambassador to Ethiopia	Israeli/Ethiopian Cooperation
	Mr Yohanes Tewolde, Minister of Health of Tigray	Kala-Azar in Tigray - The project significance
10:30-11:00	Coffee Break	
Chair: A. Ali 11:00-12:30	Alon Warburg	Scientific Emphases
	Asrat Hailu: presentation + discussion	Human Cohort Studies - planned activities
	Teshome Gebre-Michael	Ethiopian Vectors of <i>Leishmania donovani</i>
12:30 - 13:30	Lunch Break	
Chair: A. Warburg 13:45 – 15:30	Gregory Lanzaro	Genetic variation in the salivary protein maxadilan within and among populations of <i>Lutzomyia longipalpis</i>
	Petr Volf	Phlebotomus orientalis salivary proteins and antibody response in bitten hosts
	Jan Votypka	Progress in entomological studies and plans for the future
	R. D. Ashford	Insights on sand fly vectors/Leishmaniasis in Ethiopia
15:30-15:45	Coffee Break	
Chair: A. Hailu 15:45-16:30	Amit Huppert	Concepts in mathematical modeling of Kala Azar in Ethiopian Foci
	Gad Baneth	Non-Human reservoir hosts- planned studies and progress made

	Pascal Kropf/Tamrat Abebe	Regulation of T cell responses by arginase in infectious diseases: from mouse to man
24/11/2010	Presenter	Presentations
Chair:	Adi Moncaz	Identifying Breeding sites of Sand flies
P. Volf	Moshe Shenker	Soil studies in relation to breeding sites
09:00-10:45	Dia El-Naiem	Vectors of <i>Leishmania donovani</i> in Sudan
	Boaz Yuval	Phlebotomine mating systems
10:45-11:15	Coffee Break	
Chair:	Richard Poche	Kala Azar and Sand Fly Control Studies in Bihar State, India
G. Lanzaro	Charles Jaffe	Characterizing <i>Leishmania donovani</i>
11:15-13:00	Tesfaye Galenew	Microsatellite analyses of Ethiopian <i>Leishmania donovani</i> isolates
	Ermias Diro	VL/HIV co-infection in Ethiopia
	Shlomo Ma'ayan	Insights into VL/HIV co-infection research
13:00 – 13:45	Lunch Break	
	Wossenseged Lemma	Sand fly studies in Addis Zemen and Humera
Chair:	Shewaye Belay	Epidemiological studies of VL in Tahtay Adiyabo district, North East Ethiopia
T. Gebre-Michael	Esayas Aklilu	Studies on the vector(s) of a high land Kala-azar focus on Libo-Kemekem Woreda and surrounding area in South Gondar, Northern Ethiopia
13:45-15:30	Solomon Yared	Ecological and feeding behavioral studies of phlebotomine species in relation to visceral leishmaniasis transmission in Metema, North-West Ethiopia
	Araya Gebre-Selassie	Studies on Phlebotomine vectors of Visceral Leishmaniasis in Sheraro District and surrounding areas, Northern Ethiopia
Closing:		
15:30 – 16:00	Asrat, Alon & Petr (and others)	



Left to Right: H.E. Oded Ben-Haim (Israeli Ambassador to Ethiopia), Prof Asrat Hailu, Addis-Ababa University Faculty of Medicine (co-Principal Investigator), H.E. Abay Woldu (Tigray Regional State Head), Prof. Alon Warburg, The Hebrew University of Jerusalem (co-Principal Investigator).



Left: H.E. Mr Abay Woldu (Head, Tigray Regional State, Ethiopia)
Right: H.E. Oded Ben-Haim (Israeli Ambassador to Ethiopia).



Top Left: Prof Asrat Hailu (AAU, Faculty of Medicine),

Top Right: H.E. Mr Abay Woldu (Head, Tigray Regional State, Ethiopia).

Bottom Right: Prof Ahmed Ali (ALIP), Dr Dia Elnaiem (NIH), Prof Teshome Gebre-Michael, (AAU/ALIPB)

Bottom Right: Mr Yohanes Tewolde- Acting Head, Tigray Regional State Health Bureau



Top row: (left-right) Greg Lanzaro (UC Davis), Gad Baneth, Charles Jaffe (HUJI), Petr Volf (Charles U. Prague). Richard Asford (Liverpool School of Hygiene & Tropical Medicine)
Middle Row: Shewaye Belay (AAU & Mekele U), Aysheshm Kassahun (AAU), Vit Dvorak & Jan Votypka (Charles U. Prague)
Bottom: Boaz Yuval (HUJI Faculty of Agriculture), Oscar Kirstein (HUJI), Hashim Ghalib (TDR & University of Khartoum) Arik Zakay (HUJI), Amit Huppert (Gertner Institute)



Top Left: Dia Elnaiem (NIH),
Top Right: Moshe Shenker (HUJI Faculty of Agriculture), Adi Moncaz (HUJI).
Bottom: Media interviews with Alon (left) and Asrat (right)