

Sous le haut patronage de  
**Monsieur Jacques Chirac**  
Président de la République

**MEDICINE AND HEALTH IN THE TROPICS**  
Marseille - France  
11-15 September 2005



**XVI<sup>th</sup> International Congress  
for Tropical Medicine and Malaria**



**IV<sup>th</sup> European Congress  
on Tropical Medicine and International Health**



**VII<sup>e</sup> Congrès International  
de la Société de Pathologie Exotique**



**Centenaire de l'Institut de Médecine Tropicale  
du Service de Santé des Armées**

[www.iftm-pharo2005.org](http://www.iftm-pharo2005.org)

**FINAL PROGRAMME**







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# Editorial

Dear Colleagues,

To commemorate the centennial anniversary of the Tropical Medicine Institute of the French Army Medical Service, France and the City of Marseille are pleased and honored to host this World Congress on "Medicine and Health in the Tropics", which has been organized jointly by the International Federation of Tropical Medicine, the Federation of the European Societies of Tropical Medicine and the Société de Pathologie Exotique.

The scope of the Marseille Congress far exceeds the topics usually covered in other Tropical Medicine congresses. Not only will there be extensive coverage of most tropical endemic diseases (e.g. malaria, schistosomiasis, African and South-American trypanosomiasis, leishmaniasis, AIDS, tuberculosis and meningitis), but many other aspects of 'Medicine in the Tropics' will also be considered, including ophthalmology and endocrinology, as well as the use of new technologies (e.g. telemedicine) and breakthroughs in biology.

Special sessions, round tables and workshops will deal with major public health interventions and the coordinating role of international agencies together with major charities, NGOs and the pharmaceutical industry. For instance, the crucial problem of counterfeit and substandard drugs, which has such dramatic consequences in the developing world, will be addressed.

It is a well-established tradition for the Scientific Society hosting an international congress to organize a few sessions in its own language and, in Marseille, the Société de Pathologie Exotique has organized four sessions in French, to give an opportunity to French-speaking specialists to present their work. All plenary sessions will also have simultaneous English-French translation facilities.

From an organizational point of view, it was obviously impossible to have all the presentations in an oral format (more than 1,300 abstracts have been received) and many will be presented as posters, each on show for two consecutive days, enabling participants to meet and discuss with the authors at leisure. The best posters will be selected and poster prizes will be awarded.

It has been a great pleasure for us to organize this Congress and we hope that it will also meet your expectations. We look forward to welcoming you in Marseille.

Patrick QUEGUINER

Pierre SALIOU

Pierre AMBROISE-THOMAS

Marcel HOMMEL

## Sunday 11 September



Hours	Pharo Auditorium 900 seats	MPM Room 250 seats	IMTSSA Room 200 seats	University Auditorium 180 seats	Room 120 120 seats	Room 92 92 seats	Room 50 50 seats
16:00 - 18:00	Opening Ceremony <sup>2</sup>						
18:00 - 19:00	WELCOME COCKTAIL						

## Monday 12 September

Hours	Pharo Auditorium 900 seats	MPM Room 250 seats	IMTSSA Room 200 seats	University Auditorium 180 seats	Room 120 120 seats	Room 92 92 seats	Room 50 50 seats
08:30 - 10:00	Plenary session I <sup>2</sup> <b>Chairs:</b> A. Chippaux, M. Hommel <b>Keynote speakers:</b> K. Mendis, M. Karam, D. Heymann, D. Molyneux	Clinical case presentations 1 E. Pichard, N. Beeching	Non-infectious, chronic diseases in low income countries: community involvement and access to care <b>Chairs:</b> Z. Bisoffi, G. Tognoni <b>Speakers:</b> A. Macchia, P. Chirac, G. Montalvo, G. Tognoni	Yellow fever vaccines: new insights <b>Chair:</b> A. Barrett <b>Speakers:</b> T. Monath, D. Teuwen, V. Barban, M. Niedrig, A. Barrett	Training and capacity building for priority public health programs in Africa <b>Chair:</b> A. Da Silva <b>Speakers:</b> I. Bergeri, D. Leab	Télémédecine <b>Chair:</b> R. Pradinaud <b>Speakers:</b> J.-P. Menu, J.-P. Boutin, N. Poirot, R. Pradinaud	
10:00 - 10:30	COFFEE BREAK - POSTER VIEWING - EXHIBITION						
10:30 - 12:30	Towards new anti-malarials drugs <b>Chairs:</b> P. Ambroise-Thomas, S. Looareesuwan <b>keynote speaker:</b> W. Milhous	Clinical malaria <b>Chairs:</b> M. Danis, N. White	La pathologie des opérations extérieures dans les Armées <b>Chairs:</b> Y. Buisson, R. Laroche	Diagnostic laboratory in the tropical area <b>Chairs:</b> I. Bates, J.-L. Koeck <b>Keynote speaker:</b> J. Carter	Emerging and dangerous pathogens: from the field to the P4 <b>Chairs:</b> D. Heymann, D. Garin <b>Keynote speaker:</b> P. Formenty	Immunity against tuberculosis <b>Chairs/Keynote speakers:</b> M. Boeree, M. Klein	Venoms and antivenoms <b>Chairs:</b> M. Goyffon, D. Theakston <b>Keynote speaker:</b> D. Warrell
12:30 - 14:00	LUNCH - POSTER VIEWING - EXHIBITION						
14:00 - 16:00	Plenary session II - Round table Key actors in access to medicine: crucial partnerships <b>Chairs:</b> P. Ambroise-Thomas, J. Breman <b>Participants:</b> V. Nantulya, J.-F. Dehecq, D. Brandling-Bennet, J. Lazdins, B. Pecout <sup>2</sup>	Infectious causes of cancers and other chronic diseases <b>Chairs/Keynote speakers:</b> E. Molyneux, T. Quinn	Imported infectious disease in Europe <b>Chair:</b> T. Jelinek <b>Speakers:</b> T. Jelinek, N. Mühlberger, Z. Bisoffi, O. Wichmann	Education in international health <b>Chair:</b> D. Malvy, <b>Speakers:</b> S. Anderson, B. Peterhans, J.-P. Gervasoni	Schistosoma mekongi <b>Chair:</b> C. Dumurgier <b>Speakers:</b> S. Biays, P. Odermatt, C. Saem, D. Monchy, H. Matsuda, C. Dumurgier	New developments in the field of Mycobacterium ulcerans disease <b>Chair:</b> J.C. Palomino	Preventing infections causing deafness in developing countries <b>Chair:</b> I. McKenzie <b>Speakers:</b> I. McKenzie, A. Smith, P. van Hasselt
16:00 - 16:30	COFFEE BREAK - POSTER VIEWING - EXHIBITION						
16:30 - 18:30	Sanofi - Aventis SYMPOSIUM Long term access to medicines: new approaches <b>Keynote speakers:</b> R. Sebbag, J. Jannin, P. Saliou, P. Desjeux, O. Doumbo <sup>2</sup>	Epidemiology and control of AIDS and tuberculosis <b>Chairs:</b> M. Borgdorff C. Dye <b>Keynote speaker:</b> C. Dye	Urban malaria <b>Chairs:</b> M. Donnelly, V. Robert <b>Keynote speaker:</b> C. Lengeler	Tropical neurology <b>Chairs:</b> M. Dumas, D. Warrell <b>Keynote speaker:</b> H. Garcia	What tools for the endgame of the eradication of poliomyelitis <b>Chairs:</b> S.A. Plotkin <b>Keynote speakers:</b> N. Khury Bulos, S. Plotkin, D. Heymann	Diarrhoeal diseases <b>Chairs:</b> R. Bradley Sack, J.-M. Debonne <b>Keynote speaker:</b> B. Nair	Non-communicable diseases <b>Chairs/Keynote speakers:</b> J.-P. Gervasoni, G. Gill



# Programme at a glance

Tuesday September 13

Hours	Pharo Auditorium 900 seats	MPM Room 250 seats	IMTSSA Room 200 seats	University Auditorium 180 seats	Room 120 120 seats	Room 92 92 seats	Room 50 50 seats
08:30 - 10:00	Plenary session III  <b>Chairs:</b> <i>E. Gotuzzo - M. Le Bras</i> sponsored by the LEEM <b>Keynote speakers:</b> <i>J. Horton, J.-F. Martin, P. Le Sourd, P. Bernagou</i>	Clinical case presentations 2 <i>E. Pichard, N. Beeching</i>	Anti-infectious therapies / drugs surveillance in the tropics <b>Chair:</b> <i>M. Jouan</i> <b>Speakers:</b> <i>J.-M. Reynes, M. Randrianarivelo, J.-D. Perrier</i>	Today's problems and solution of going to scale and sustaining malaria control <b>Chair:</b> <i>K. Mendis</i> <b>Speakers:</b> <i>S. Hoyer, D. Chavasse, C. Lengeler, B. Sharp</i>	Parasitology in Korea <b>Chairs:</b> <i>H.-J. Rim, J.-Y. Chai</i> <b>Speakers:</b> <i>H.-J. Rim, S.-T. Hong, K. S. Eom, J.-Y. Chai, T.-S. Yong</i>	Millenium development goals <b>Chair:</b> <i>L. Niessen</i>	Host location and recog- nition in blood-sucking insects and applications to the control of vector-borne diseases <b>Chair:</b> <i>C.R. Lazzari</i> <b>Speakers:</b> <i>L.-J. Zwiebel, C. Costantini, P. McCall, R. Barrozo, C. R. Lazzari</i>
10:00 - 10:30	COFFEE BREAK - POSTER VIEWING - EXHIBITION						
10:30 - 12:30	Control of African trypanosomiasis <b>Chairs:</b> <i>M. Perkins, J. Vieira Dias Van Dunen</i> <b>Keynote speaker:</b> <i>J.E. Hall</i>	Plasmodium vivax malaria <b>Chairs:</b> <i>P. Brasseur, C. Ribeiro</i> <b>Keynote speaker:</b> <i>J.-W. Barnwell</i>	Aids and tuberculosis <b>Chairs:</b> <i>M. Boeree, K. McAdam</i> <b>Keynote speaker:</b> <i>A. Harries</i>	Human genetic polymor- phism and resistance to parasitic infections <b>Chairs:</b> <i>S. Williams Blangero, A. Dessein</i>	Anti-parasite drug design: new approaches <b>Chairs:</b> <i>S. Croft, J. Schrével</i> <b>Keynote speaker:</b> <i>Y. Yuthavong</i>	Les maladies négligées: avancées diagnostiques et accès aux soins <b>Chairs:</b> <i>L. Rahalison, A. Same Ekobo</i> <b>Keynote speaker:</b> <i>P. Olliaro</i>	Cultural and health in post-conflict situations <b>Chairs:</b> <i>A. Van Der Kwaak, J.-M. Richters</i> <b>Keynote speaker:</b> <i>V. Igreja</i>
12:30 - 14:00	LUNCH - POSTER VIEWING - EXHIBITION						
14:00 - 16:00	Plenary session IV  <b>Chairs:</b> <i>K. de Koning, J. Delmont</i> <b>Keynote speakers:</b> <i>J.-P. Chippaux, M. Tanner, B. Meunier, S. Looareesuwan</i>	Malaria epidemiology <b>Chairs:</b> <i>B. Greenwood, C. Rogier</i>	Infectious diseases outbreaks <b>Chairs:</b> <i>N. Hien, M. Jouan</i> <b>Speakers:</b> <i>S. Vong, A. All, P. Nabeth</i>	Sustainability of healthcare service interventions in developing countries <b>Chair:</b> <i>F. Flachenberg, S. Girois</i>	Rapid diagnostic tests: new tools for new strategies <b>Chairs:</b> <i>O. Doumbo, P. Jacquier</i> <b>Speakers:</b> <i>B. Faye, A. Massougboji, M. Randrianarivelo, F. Chappuis, S. Sundar, O. Doumbo</i>	Prevent resistance to ARVs implementing the 3/5 WHO strategy <b>Chair:</b> <i>J.-L. Rey</i> <b>Speakers:</b> <i>S. Mboup, J. Moreau, Dembélé, E. Delaporte</i>	
16:00 - 16:30	COFFEE BREAK - POSTER VIEWING - EXHIBITION						
16:30 - 18:30	Schistosomiasis <b>Chairs:</b> <i>D. Rollinson, A. Theron</i> <b>Keynote speaker:</b> <i>L. A. Tchuem Tchuente</i>	GlaxoSmithKline SYMPOSIUM Closing the loop between drug development and medical need in the developping world <b>Chair:</b> <i>P. Brasseur</i> <b>Keynote speakers:</b> <i>P. Brasseur, S. Nwaka, R. Snow</i>	Malaria immunology <b>Chairs:</b> <i>C. Behr, M. Hommel</i> <b>Keynote speaker:</b> <i>L. Hviid</i>	Travel medicine <b>Chairs:</b> <i>L. Loutan, M. Rey</i> <b>Keynote speakers:</b> <i>C. John, P. Leggat</i>	Dengue <b>Chairs:</b> <i>M. Guzman, H. Tolou</i> <b>Keynote speaker:</b> <i>G. Kouri</i>	Management of opportunistic infections in AIDS <b>Chairs:</b> <i>S. Graham - J. Whitworth</i> <b>Keynote speaker:</b> <i>X. Anglaret</i>	Tropical liver <b>Chair:</b> <i>F. Klotz</i> <b>Keynote speaker:</b> <i>P.-S. Mbaye</i>

# Programme at a glance

Wednesday September 14

Hours	Pharo Auditorium 900 seats	MPM Room 250 seats	IMTSSA Room 200 seats	University Auditorium 180 seats	Room 120 120 seats	Room 92 92 seats	Room 50 50 seats
08:30 - 10:00	Plenary session V  <b>Chairs:</b> <i>M. Cappello, J.-E. Touze</i> <b>Keynote speakers:</b> <i>M. Girard, O. Doumbo, T. Monath, J. Breman</i>	Clinical case presentations 3 <i>E. Pichard, N. Beeching</i>	Nomad health and zoonoses <b>Chair:</b> <i>P. Craig</i> <b>Speakers:</b> <i>J. Zinsstag, P. Craig</i>	Moving beyond the status quo: improved diagnostic and treatment for tropical diseases <b>Chair:</b> <i>K. Laouabdia Sellami</i> <b>Speakers:</b> <i>D. Berman, J.-M. Kindermans, M. Balasegaram</i>	Climate, landuse change and infectious disease in the Sahel <b>Chairs:</b> <i>I. Jeanne, M. Thomson</i> <b>Speakers:</b> <i>M. Thomson, I. Jeanne, L. Cuevas, N. Sogoba</i>	Final push for dracunculosis eradication <b>Chair:</b> <i>M. Karam</i> <b>Speakers:</b> <i>S. Cairncross, A. Tayeh</i>	
10:00 - 10:30	COFFEE BREAK - POSTER VIEWING - EXHIBITION						
10:30 - 12:30	Young investigators presentations Prix de thèse <b>Chairs:</b> <i>P. Saliou, D. Warrell</i>	Genetics of resistance and susceptibility to malaria <b>Chairs:</b> <i>R. Bayoumi, C. Plowe</i> <b>Keynote speaker:</b> <i>A. Djimbe</i>	Drugs for neglected diseases <b>Chairs:</b> <i>C. Hodgkin, B. Pecoul</i> <b>Keynote speaker:</b> <i>N. White</i>	Multi-drug resistant tuberculosis in the tropics <b>Chairs:</b> <i>J.C. Palomino, E. Gotuzzo</i> <b>Keynote speaker:</b> <i>I.C. Shamputa</i>	Malaria and dengue vector control <b>Chairs:</b> <i>D. Fontenille, H. Townson</i>	Pathogenesis of anaemia in the tropics <b>Chair:</b> <i>N. Van Den Broek</i>	SWAPs and health sector reform <b>Chairs:</b> <i>A. Green, K. De Koning</i> <b>Keynote speaker:</b> <i>Y. Pillay</i>
12:30 - 14:00	LUNCH - POSTER VIEWING - EXHIBITION						
14:00 - 16:00	Plenary session VI  <b>Chairs:</b> <i>J. Roux, S. Mas-Coma</i> <b>Keynote speakers:</b> <i>D. Doulo, A. Flisser, S. Theobald, J.-C. Manuguerra</i>	Molecular biology of malaria parasites <b>Chairs:</b> <i>A. Scherf, D. Wirth</i> <b>Keynote speaker:</b> <i>C. Chitnis</i>	Leishmaniasis <b>Chairs:</b> <i>J.P. Dedet, P. Desjeux</i> <b>Keynote speaker:</b> <i>J. Alvar</i>	Selection de travaux soumis pour publication à la Société de Pathologie Exotique <b>Chairs:</b> <i>C. Chastel, P. Saliou</i>	Child health in the tropics <b>Chairs:</b> <i>R. Broadhead, P. Imbert</i> <b>Keynote speaker:</b> <i>O. Fontaine</i>	Natural drugs and traditional medicine <b>Chairs:</b> <i>G. Bodecker, M. Randrianarivelojosia</i> <b>Keynote speaker:</b> <i>B. Gilbert</i>	Ophtalmology in the tropics <b>Chair:</b> <i>P. Queguiner</i> <b>Keynote speaker:</b> <i>S. Resnikoff</i>
16:00 - 16:30	COFFEE BREAK - POSTER VIEWING - EXHIBITION						
16:30 - 18:30	ASTMH SYMPOSIUM West-Nile Virus: history, epidemiology, medical impact <b>Chair:</b> <i>T. Monath</i>	Malaria pathophysiology <b>Chairs:</b> <i>O. Doumbo, G. Grau</i> <b>Keynote speaker:</b> <i>C. Newton</i>	Entomology, epidemiology and vector population genetics <b>Chairs:</b> <i>A. Della Torre, P. Carnevale</i> <b>Keynote speaker:</b> <i>M. Coetzee</i>	Epidemiology of filariasis <b>Chair:</b> <i>M. Boussinesq</i> <b>Keynote speaker:</b> <i>E. Ottensen</i>	Human fascioliasis: from genetics to epidemiology and control <b>Chairs:</b> <i>M. D. Barges, G. Hillyer</i> <b>Keynote speaker:</b> <i>S. Mas Coma</i>	Chagas disease <b>Chairs:</b> <i>A. Prata, C. Schofield</i> <b>Keynote speaker:</b> <i>W. Apt</i>	

# Programme at a glance

Thursday September 15

Hours	Pharo Auditorium 900 seats	MPM Room 250 seats	IMTSSA Room 200 seats	University Auditorium 180 seats	Room 120 120 seats	Room 92 92 seats	Room 50 50 seats
08:30 - 10:00	Plenary session VII <sup>2</sup> <b>Chairs:</b> <i>M. Boeree, F. Klotz</i> <b>Keynote speakers:</b> <i>A. Epelboin, M. Thomson, P. Queguiner</i>	Clinical case presentations 4 <i>E. Pichard, N. Beeching</i>	Schistosomiasis and intestinal helminth control in Africa <b>Chair:</b> <i>A. Fenwick</i> <b>Speakers:</b> <i>N. Kabatereine, A. Garba, S. Toure</i>	From pathogenesis to malaria control in pregnant women <b>Chair:</b> <i>U. d'Alessandro</i> <b>Speakers:</b> <i>M. Paz Loscertales, U. Uddenfeldt-Wort, E. Savage, K. Msyamboza, L. Brabin</i>	Counterfeit drugs: a public health threat <b>Chair:</b> <i>Y. Juillet</i> <b>Speaker:</b> <i>H.J. De Jong, P. Duneton, O. Doumbo, A. Djimé</i>	A Euro - Mediterranean information system devoted to public health, the EMPHIS experience <b>Chair:</b> <i>K. Dellagi</i> <b>Speakers:</b> <i>A. Ben Salah, F. Boulahbal, J. Fabry, P. Farah, F. Cavallo</i>	
10:00 - 10:30	COFFEE BREAK - POSTER VIEWING - EXHIBITION						
10:30 - 12:30	10:30 - 12:00 Best Poster Prizes <b>Chair:</b> <i>P. Queguiner</i> 12:00 - 12:30 Announcement of the next congress	Meningococcal disease <b>Chairs:</b> <i>S. Chanteau, H. Peltola</i> <b>Keynote speaker:</b> <i>B. Greenwood</i>	Echinococcosis <b>Chairs:</b> <i>P. Craig, P. Kern</i> <b>Keynote speaker:</b> <i>J. El-On</i>	Malaria vaccine research <b>Chairs:</b> <i>O. Pujalon, R. Sauerwein</i> <b>Keynote speaker:</b> <i>D. Arnot</i>	Arthropod-borne bacterial diseases <b>Chair/Keynote speaker:</b> <i>D. Raoult, R. Birtles</i>	Multisectoral approach to AIDS <b>Chairs:</b> <i>T. Barnett, G. Tiendrebeogo</i> <b>Keynote speaker:</b> <i>T. Barnett</i>	Clinical trials for tropical diseases <b>Chairs:</b> <i>J.- P. Chippaux, A. Dieye</i> <b>Keynote speaker:</b> <i>F. Ntoumi</i>
12:30 - 14:00	LUNCH - POSTER VIEWING - EXHIBITION						
14:00 - 16:00	Strategies for malaria: prevention and control <b>Chairs:</b> <i>U. D'Alessandro H. Mshinda</i> <b>Keynote speaker:</b> <i>B. Snow</i>	Anti-malarial drug resistance <b>Chairs:</b> <i>T. Jelinek, P. Olliaro</i>	Post Tsunami <b>Chairs:</b> <i>R. Sebbag, P. Saliou</i>		Acceptabilité des programmes de vaccinations dans les pays en développement : aspects socio-culturels <b>Chairs:</b> <i>N. Guérin - C.Goujon</i> <b>Keynote speakers:</b> <i>A.-M. Moulin, B. Assemien, J. Cook, Y. Jaffre, C. Perrey</i>	Toxoplasmosis <b>Chairs:</b> <i>P. Ambroise-Thomas, A. Hortua</i>	Mycetomas: a heavy disease burden for Africa <b>Chairs:</b> <i>M. Develoux, M. Huerre</i> <b>Keynote speaker:</b> <i>A. H. Fahal</i>
16:00 - 16:30	COFFEE BREAK - POSTER VIEWING - EXHIBITION						
16:30 - 18:30	Prevention of malaria in military and special groups <b>Chair:</b> <i>J.E. Touze, C. Ohrt</i> <b>Keynote speaker:</b> <i>M. Neuburger</i>	Medicines for Malaria Venture - Development of the fixed combination Pyronaridine Artesunate <b>Chairs:</b> <i>O. Gaye, S. Looareesuwan</i> <b>Keynote speakers:</b> <i>P. Ringwald, S. Croft, I.J. Jang, L. Fleckenstein</i>	Malaria in pregnancy <b>Chairs:</b> <i>B. Brabin, F. Nosten</i>	Epidemiology and control of intestinal helminths <b>Chairs:</b> <i>M. Cappello - J.-F. Pays</i> <b>Keynote speaker:</b> <i>P. Cooper</i>	Respiratory disease in the tropics <b>Chairs/Keynote speakers:</b> <i>R. Altmeyer, P. L'Her</i>	Gender and infectious diseases <b>Chairs:</b> <i>K. De Koning, S. Theobald</i>	
18:30 - 19:00	Closing ceremony						



# Programme

## SUNDAY SEPTEMBER 11

14:00 – 19:00

**Palais of Pharo**

Registration

16:00 – 18:00

📍 **Pharo Auditorium**

**Opening Ceremony**

- Lecture du message de Monsieur Jacques Chirac *Président de la République*
- Mr. J.C. Gaudin, Sénateur-Maire de Marseille
- Dr M. Karam, représentant du directeur Général de l'OMS, M. Jong-Wook LEE
- Pr S. Looareesuwan, President of The International Federation of Tropical Medicine
- Médecin Général Inspecteur P. Queguiner, Directeur de l'Ecole du Pharo et Co-président du congrès

- Pr P. Saliou, Président de La Société de Pathologie Exotique et Co-président du congrès
- Pr M. Hommel, Président du Comité Scientifique du congrès et Vice-président de la Fédération des Sociétés Européennes de Médecine Tropicale et de Santé Internationale
- Pr P. Ambroise-Thomas, Président du comité d'organisation et membre de l'Académie Nationale de Médecine
- Master of ceremony  
P. Couissinier - Paris

Les intermèdes musicaux interprétés par « La musique de la Légion étrangère »

18:00 – 19:00

**Welcome Cocktail**

## MONDAY SEPTEMBER 12

08:30 – 10:00

📍 **Pharo Auditorium**

**Plenary session I**

**Chairs:** A. Chippaux - FRANCE,  
M. Hommel - UK

**Keynote speakers:**

- Malaria control in the XXI<sup>st</sup> century: opportunities and challenges.  
*Le contrôle du paludisme au XXI<sup>e</sup> siècle : opportunités et challenges.*  
K. Mendis - SWITZERLAND
- Guinea worm eradication.  
*Eradication de la dracunculose.*  
M. Karam - SWITZERLAND
- Rapid impact interventions for parasitic disease control - achieving the MDGs.  
*Interventions à impact rapide pour le contrôle des maladies parasitaires : comment atteindre les objectifs de développement du millénaire.*  
D. Molyneux - UK
- Title not yet received  
D. Heymann - SWITZERLAND

**MPM Room**

**Clinical case presentations 1**

E. Pichard - FRANCE, N. Beeching - UK

**IMTSSA Room**

**Workshop 01**

**Non - infectious, chronic diseases in low income countries: community involvement and access to care**

**Chairs:** Z. Bisoffi - ITALY,  
G. Tognoni - ITALY

**Speakers:**

- Global versus local burdens of diseases: the scenarios in Latin America and Africa. A. Macchia - ARGENTINA
- The issues of drug accessibility.  
P. Chirac - FRANCE
- The experience of hypertension control in Borbon, Ecuador.  
G. Montalvo - ECUADOR
- Global vs. local burdens of diseases: perspectives and proposals on the methodological, cultural and public health aspects of the challenge. G. Tognoni - ITALY

**University Auditorium**

**Workshop 02**

**Yellow fever vaccine: new insights**

**Chair:** A. Barrett - USA

**Speakers:**

- Yellow fever as an endemic / epidemic disease and the priorities for vaccination. T. Monath - USA
- Yellow fever vaccine and adverse events. D. Teuwen - FRANCE
- Virological and molecular characterization of YF 17D-204 (Stamaril™) vaccine lots.  
V. Barban - FRANCE
- Analysis of the immune response after vaccination with the 17D YF vaccine.  
M. Niedrig - GERMANY
- Yellow fever 17D vaccine: a very successful vaccine, but does it need improving? A. Barrett - USA



# Programme

## Room 120

### Workshop 03 Training and capacity building for priority public health programs in Africa

**Chair:** A. Da Silva - FRANCE

**Speakers:**

- The WHO Lyon Office Health Security Capacity Development Program: Africa Experience. *I. Bergeri - FRANCE*
- AMP's experience in training development for African region. *D. Leals - FRANCE*

## Room 92

### Workshop 04 Télémédecine

**Chair:** R. Pradinaud - FRANCE

**Speakers:**

- L'épidémiologie dans la prise en charge télémédecine du service de Santé des Armées. *J.-P. Menu - FRANCE*
- Les systèmes d'épidémiologie. *J.-P. Boutin - FRANCE*
- Aspects techniques, opérationnels et économiques d'un réseau de télémédecine: exemple de la Guyane française. *N. Poirot - FRANCE*
- Etat actuel de la télémédecine en Guyane française. *R. Pradinaud - FRANCE*

**10:00 – 10:30**

COFFEE BREAK / POSTER VIEWING  
EXHIBITION

**10:30 – 12:30**

### Pharo Auditorium

#### Towards new anti-malarial drugs

**Chairs:** P. Ambroise-Thomas - FRANCE,  
S. Looareesuwan - THAILAND

**Keynote speaker:**

- What's driving the train. *W. Milhous - USA*

**Speakers:**

- New antimalarial drug development research in Japan – Antimalarial endoperoxides. *J.-M. Wu - JAPAN*
- Histidine – rich protein II – based malaria drug sensitivity and bioassays. Current data, future perspectives. *H. Noedl - AUSTRIA*
- Artesunate suppositories vs intramuscular artemether for treatment of severe childhood malaria in Papua New Guinea. *T.M.E. Davis - AUSTRALIA*
- Artemifone, a new anti-malarial artemisinin derivative: lack of neurotoxicity. *E. Von Keutz - GERMANY*

- A five year survey of efficacy, tolerability and pharmacovigilance of P.falciparum treatment with artesunate/amodiaquine in Casamance, Senegal. *P. Olliaro - SWITZERLAND*
- Oxidant stress and P. falciparum: effects of oxygen tension on the activity of antimalarial drugs. *D. Monti - ITALY*

### MPM Room

#### Clinical Malaria

**Chairs:** M. Danis - FRANCE,  
N. White - THAILAND

**Speakers:**

- Cardiac affection in African children with severe Plasmodium falciparum malaria. *S. Ehrhardt - GERMANY*
- Early hyper-reactive malarial splenomegaly: a definite clinical entity that should be recognized and treated. *Z. Bisoffi - ITALY*
- Clinical features of severe malaria in non-immune children in Senegal. *A.S. Ka - SENEGAL*
- Malaria mortality in Venezuela, 1995 - 2002. *J.A. Benitez - VENEZUELA*
- Prognostic relevance of jaundice in imported falciparum malaria. *C. Rapp - FRANCE*
- Pulmonary manifestations of uncomplicated falciparum malaria: pulmonary function study. *Y. Jammes - FRANCE*
- Severe and non severe malaria in a french university hospital, 2000-2003. *A. Fichelle - FRANCE*
- Syndrome nephrotic occurring after a malaria episode due to Plasmodium falciparum treated with artemether and sulfadoxine-pyrimethamine. *K. B-Fall - SENEGAL*

### IMTSSA Room

#### La pathologie des opérations extérieures dans les Armées

**Chairs:** Y. Buisson - FRANCE,  
R. Laroche - FRANCE

**Speakers:**

- Arbovirose chez les militaires français: exemple de surveillance au Tchad. *P. Couissinier - FRANCE*
- Surveillance épidémiologique des forces armées en opérations extérieures: l'exemple de la Côte-d'Ivoire. *A. Spiegel - FRANCE*
- 2Sefag: une surveillance épidémiologique en temps réel des forces armées déployées en zone tropicale. *J.P. Boutin - FRANCE*

# Programme

- La fièvre typhoïde chez les adultes et les enfants sénégalais : étude rétrospective de 70 cas. *M. Sane - SENEGAL*
- Infections sévères observées chez des soldats français à Djibouti : étude rétrospective sur 444 cas hospitalisés en 87 mois. *R. Haus - FRANCE*
- Episodes infectieux chez des militaires français pris en charge par des médecins militaires généralistes à Djibouti : étude randomisée prospective. *R. Haus - FRANCE*
- Development of a Sars inactivated alum adjuvanted vaccine. *A. Osterhaus - THE NETHERLANDS*
- Real - time PCR assay is an useful tool for quantification of Mycobacterium ulcerans DNA in animal model. *S. Lefrançois - FRANCE*
- Plague epidemy in western Algeria - summer 2003. *N. Mouffok - ALGERIA*
- The foretelling gravity factors of leptospirosis in French Polynesia. *V. Quenee - FRENCH POLYNESIA*

## University Auditorium

### Diagnostic laboratory in the tropical area

**Chairs:** *I. Bates - UK, J.-L. Koeck - FRANCE*

#### Keynote speakers:

- The diagnostic laboratory in a tropical area. *J.Y. Carter - KENYA*

#### Speakers:

- Evaluation of rapid HIV testing strategies in under equipped laboratories in the central African Republic. *D. Menard - MADAGASCAR*
- Microscopic diagnosis of malaria: the path to standardized competency testing. *W. Prudhomme - USA*
- Performance of two commercial assays with expert microscopy among suspected malaria patients in a peripheral health center of Abidjan (Ivory Coast). *A. Ahikpa - IVORY COAST*
- Two years of the routine use of a rapid diagnostic test for bubonic and pneumonic plague in Madagascar. *M. L. Ralimanantsoa - MADAGASCAR*
- Rapid diagnostic test VS. microscopy for monitoring therapeutic efficacy in falciparum malaria. *F. Ariey - MADAGASCAR*
- Basic biology training for health officers working in remote tropical areas. *P. Nicolas - FRANCE*

## Room 120

### Emerging and dangerous pathogens: from the field to the P4

**Chairs:** *D. Heymann - SWITZERLAND, D. Garin - FRANCE*

#### Keynote speaker:

*P. Formenty - SWITZERLAND*

#### Speakers:

- Investigation around the first imported case of viral hemorrhagic fever in France. *A. Tarantola - FRANCE*
- Burkholderia pseudomallei, etiological agent of melioidosis: from paddy field to BSL3. *D. Vidal - FRANCE*

## Room 92

### Immunity against tuberculosis

**Chairs:** *M. Klein - THE NETHERLANDS, M. Boeree - THE NETHERLANDS*

#### Keynote speaker:

- Title not yet received  
*M. Klein - THE NETHERLANDS*

#### Speakers:

- Increased specific T cell cytokine responses in patients with active pulmonary tuberculosis from Central Africa. *P. G. Kremsner - GERMANY*
- Characteristics of index cases that increase risk of TB infection in Malawian children. *E. Molyneux - MALAWI*
- The secretory immunoglobulin a response to Mycobacterium tuberculosis in a childhood population. *Z. Araujo - VENEZUELA*
- Safety and immunogenicity of the MTB72F/AS02A tuberculosis vaccine in PPD-negative Belgian adults. *M.-C. Dubois - BELGIUM*
- The BCG vaccination status and humoral immune response to Mycobacterium tuberculosis. *C. Fernandez de Larrea - VENEZUELA*
- Tuberculin reaction, BCG scar and lower female mortality: a prospective community study in Guinea-Bissau. *M.L. Garly - DENMARK*

## Room 50

### Venoms and antivenoms

**Chairs:** *M. Goyffon - FRANCE, D. Theakston - UK*

#### Keynote speaker:

- Clinical challenge of snake bites in tropical countries. *D. Warrell - UK*

#### Speakers:

- Bioinformatic and DNA immunisation strategies for the rational design of antivenoms. *R. Harrison - UK*
- Bednets protect against snake bites during sleep in southeastern Nepal. *P. Bovier - SWITZERLAND*



# Programme

- Community-based health education and transport of victims by motorbike decrease mortality of snake bites in southeastern Nepal.  
*P. Bovier - SWITZERLAND*
- Fatal snake bites registry in Venezuela.  
*P.M. Rifakis - VENEZUELA*
- The isolation and characterization of two novel proteins from *Proaetheris superciliaris* venom: proatherocytin, a 34-KDA serine protease-like platelet receptor PAR1 agonist and a 50-KDA haemorrhagic metalloproteinase.  
*Y.A. Senis - UK*
- Snakebite in two areas of southern Senegal. *E. Guyavarch - FRANCE*

**12:30 – 14:00**

LUNCH / POSTER VIEWING / EXHIBITION

**14:00 – 16:00**

📍 **Pharo Auditorium**

**Plenary session II - Round Table  
Key actors in access to medicine:  
crucial partnerships**

**Chairs:** *P. Ambroise-Thomas - FRANCE,  
J. Breman - USA*

**Moderator:** *J.D. Flaysakier - FRANCE*

**Participants:**

- Funds for tropical medicine: resources for HIV/AIDS, tuberculosis and malaria through the Global Fund.  
*Financement de la médecine tropicale : ressources du Fond Global pour le VIH/SIDA, la tuberculose et le paludisme.*  
*V. Nantulya - SWITZERLAND*
- Pharmaceutical industry for a real partnership.  
*L'industrie pharmaceutique vers un vrai partenariat.*  
*J.F. Dehecq - FRANCE*
- Strategic priorities of the Bill & Melinda Gates Foundation in tropical diseases.  
*Les priorités stratégiques de la Fondation Bill & Melinda Gates dans la lutte contre les maladies tropicales.*  
*D. Brandling-Bennet - USA*
- Research partnerships to promote access to innovation. Role of the international public sector.  
*Les partenariats de recherche pour promouvoir les innovations. Rôle du secteur public international.*  
*J.K. Lazdins-Helds - SWITZERLAND*
- No more poor drugs for poor people. New model to develop new drugs for the most neglected people.

*Plus de mauvais médicaments pour les plus pauvres. Un nouveau modèle de développement de nouveaux médicaments destinés aux populations les plus négligées.*

*B. Pecoul - SWITZERLAND*

**University Auditorium**

**Infectious causes of cancers and other chronic diseases**

**Chairs/Keynote speakers:**

- Infections and cancer in children - Double trouble. *E. Molyneux - MALAWI*
- The infectious etiology of chronic diseases. *T.C. Quinn - USA*

**Speakers:**

- Urinary schistosomiasis and bladder cancer: a silent problem. *J. Naples - USA*
- Rectal and colonic tumours induced by parasites. *J.M. Debonne - FRANCE*
- Adult solid cancer at the "Hôpital principal de Dakar".  
*B. Chevalier - SENEGAL*
- Polymorphism of glutathione S-transferase omega gene and risk of cancer among Thai patients.  
*B. Sripa - THAILAND*
- Place of Burkitt lymphoma among maxillo-facial masses of the child in Cameroon: preliminary results.  
*M.C. Moampe Mbio - CAMEROON*

**IMTSSA Room**

**Workshop 06**

**Imported infectious diseases in Europe**

**Chair:** *T. Jelinek - GERMANY*

**Speakers:**

- Imported infectious diseases surveillance in Europe. *T. Jelinek - GERMANY*
- TropNetEurop reporting system and detection of sentinel events.  
*N. Mühlberger - GERMANY*
- Imported Malaria in Europe.  
*Z. Bisoffi - ITALY*
- Imported dengue in Europe.  
*O. Wichmann - GERMANY*

**University Auditorium**

**Workshop 07**

**Education in international health**

**Chair:** *D. Malvy - FRANCE*

**Speakers:**

- The European network for education in international health. *S. Anderson - UK*
- Development and management of a core course in international health.  
*B. Peterhans - SWITZERLAND*
- The development of quality assurance systems for education in international health. *J.-P. Gervasoni - SWITZERLAND*

# Programme

## Room 120

### Workshop 26 Schistosoma mekongi

**Chair:** C. Dumurgier - FRANCE

**Speakers:**

- Historique et redécouverte du foyer cambodgien de Schistosoma mekongi. S. Biays - FRANCE
- Epidémiologie et contrôle de Schistosoma mekongi. P. Odermatt - SWITZERLAND
- Résultats des campagnes de prévention (province de Kratié) avec le Praziquantel. C. Saem - CAMBODIA
- Histopathologie (lésions hépatiques de SM). D. Monchy - CAMBODIA
- Diagnostic sérologique de Schistosoma mekongi. H. Matsuda - JAPAN
- Place de la chirurgie dans la prévention des complications hémorragiques de la bilharziose à Schistosoma mekongi. C. Dumurgier - FRANCE

## Room 92

### Workshop 08 New developments in the field of Mycobacterium ulcerans disease

J.C. Palomino - BELGIUM

## Room 50

### Workshop 09 Preventing infections causing deafness in developing countries

**Chair:** I. McKenzie - UK

**Speakers:**

I. McKenzie - UK,  
A. Smith - SWITZERLAND,  
P. van Hasselt - BOTSWANA

16:00 – 16:30

COFFEE BREAK/POSTER VIEWING EXHIBITION

16:30 – 18:30

### Pharo Auditorium

sanofi aventis symposium  
Long term access to medicines:  
new approaches

**Chair:** R. Sebbag - FRANCE

**Speakers:**

- Sleeping disease J. Janin - SWITZERLAND
- Vaccines P. Saliou - FRANCE
- Leshmaniosis P. Desjeux - FRANCE
- Malaria O. Doumbo - MALI

## MPM Room

### Epidemiology and control of AIDS and tuberculosis

**Chairs:** M. Borgdorff - THE NETHERLANDS,  
C. Dye - SWITZERLAND

**Keynote speaker:**

- The evolution of tuberculosis control and prospects for reaching millennium development goals. C. Dye - SWITZERLAND

**Speakers:**

- Evaluation of a training of traditional birth attendants on HIV/AIDS and safe delivery in South Africa. K. Peltzer - SOUTH AFRICA
- Costs and health effects of tuberculosis control in epidemiologically different regions of Africa, Europe and Asia. K. Floyd - SWITZERLAND
- CD4 cell count distributions among HIV-infected populations in Africa and their use for evaluating treatment needs and epidemiological trends. E. Korenromp - SWITZERLAND
- Encouraging diversity in HIV prevention messages: learning from Uganda. J. Parkhurst - UK
- How and why international HIV/AIDS strategies have failed in responding to the epidemic in Africa over the past 20 years. D. Kerouedan - BELGIUM
- Prevention of mother-to-child transmission of HIV: longitudinal study of 45 programs implemented in 23 Sub-Saharan Africa countries. M.H. Besson - FRANCE
- Seasonal influence on maternal and placental malaria infection in Ouagadoudou (Burkina Faso). S.O. Coulibaly - BURKINA FASO

## IMTSSA Room

### Urban Malaria

**Chairs:** M. Donnelly - UK,  
V. Robert - FRANCE

**Keynote speaker:**

- Urban malaria and its control: a review of the key issues. C. Lengeler - SWITZERLAND

**Speakers:**

- Developing malaria risk maps for western foci in Venezuela using remote sensing data. J. Pulido - VENEZUELA
- Canal irrigation and quarry mining intensifying urban malaria in the Thar desert, northwestern India. B.K. Tyagi - INDIA
- Low-level falciparum malaria and vector mosquitoes in urban Malindi, Kenya. J. Githure - KENYA



# Programme

- Community participation in vector control activities in urban Malindi, Kenya. *A. Omar - KENYA*
- Heterogeneities in malaria prevalence in urban Ghana. *A.O. Akoto - GHANA*
- Integrated mosquito control in urban environment: cost efficacy study of larvicides and environmental improvements.  
*T. Ouedraogo - BURKINA FASO*

## University Auditorium

### Tropical neurology

Sponsored by the Royal Society of Tropical Medicine and Hygiene

**Chairs:** *M. Dumas - FRANCE, D. Warrell - UK*

#### Keynote speaker:

- Advances in the diagnosis of neurocysticercosis. *H. Garcia - PERU*

#### Speakers:

- Prevalence of epilepsy in a rural population of central Laos.  
*P.M. Preux - FRANCE*
- Epilepsy in Laos PDR: clinical and epidemiological aspects and issues of control. *T. Angerth - LAOS*
- Filariasis and epilepsy.  
*B. Bouteille - FRANCE*
- Does cerebral malaria give epilepsy? About two epidemiological studies in Sub-Saharan Africa. *O. Doumbo - MALI*
- The quality of services offered to people with epilepsy in under-medicalized areas in Senegal. *M. Ndiaye - SENEGAL*
- Interests of cysticercosis immunodiagnostic tools for the diagnosis of epilepsy in Burundi.  
*B. Bouteille - FRANCE*
- Anti-rabies drive in Nepal.  
*G. Gongal - NEPAL*

## Room 120

### What tools for the endgame of the eradication of poliomyelitis

**Chair:** *S.A. Plotkin - USA*

#### Speakers:

- The endgame of polio eradication: narrowing the options for post certification. *N. Khuri - Bulos - JORDAN*
- Polio vaccines for 2005: live oral or killed parenteral? *S.A. Plotkin - USA*
- Cessation of oral polio vaccine: the post-eradication agenda.  
*D.L. Heymann - SWITZERLAND*

## Room 92

### Diarrhoeal diseases

**Chairs:** *R. Bradley Sack - USA, J.-M. Debonne - FRANCE*

#### Keynote speaker:

- Diarrhoeal diseases - Three decades in perspective.  
*G. Balakrish Nair - BANGLADESH*

#### Speakers:

- Antimicrobial resistance in salmonellosis in Venezuela. *B. Pastran - VENEZUELA*
- Centenary of the discovery of Vibrio cholerae biotype El Tor in Egypt (1905).  
*C. Chastel - FRANCE*
- Efficacy of omeprazole-amoxicilline-clarithromycin (OAC) tritherapy in adult duodenal peptic disease (DPD) in Senegal. *Y. Diop - SENEGAL*
- Antibiotic sensitivity of Shigella species to cotrimoxazole and nalidixic acid.  
*A. Esteghamati - IRAN*
- Helicobacter pylori in chronic gastritis patients from tropical Andean and northcentral Venezuela: geographical and altitudinal influences on incidence?  
*R. Barbella - VENEZUELA*
- Ascaris lumbricoides and Trichuris trichiura infections in institutionalized children. *T.R. Olariu - ROMANIA*

## Room 50

### Non-communicable diseases

#### Chairs/Keynote speakers:

- Prevention and control of non-communicable diseases in developing countries, the case of hypertension.  
*J.-P. Gervasoni - SWITZERLAND*
- Delivering non-communicable disease care in Africa. *G. Gill - UK*

#### Speakers:

- The control of chronic degenerative diseases fits well with community programs focused on "Tropical" priorities. The three years experience of Esmeraldas-Ecuador. *G. Tognoni - ITALY*
- Asthma in a tropical emergency department: a prospective survey.  
*J.-P. Bellefleur - SENEGAL*
- Pulmonary arterial hypertension. Retrospective study about 13 cases at "Hôpital Principal de Dakar".  
*A.R. Ndiaye - SENEGAL*
- Coronary heart disease: (CHD) a multicentral retrospective study in Dakar (Senegal). *M. Diao - SENEGAL*

# Programme

## TUESDAY SEPTEMBER 13

08 :30 – 10 :00

📍 **Pharo Auditorium**

### Plenary session III

**Chairs:** E. Gotuzzo - PERU,

M. Le Bras - FRANCE

#### Keynote speakers:

- New drugs, new paradigms: can partnering with industry work?  
*Nouveaux médicaments, nouveaux paradigmes : une collaboration avec l'industrie pharmaceutique est-elle possible ?*  
J. Horton - UK
- Global alliance for vaccines and immunization and vaccine fund: a strategic contribution to reaching the millenium development goals.  
*Le fond pour le vaccin et l'alliance globale pour les vaccins et l'immunisation : une contribution stratégique pour atteindre les objectifs de développement du millenaire.*  
J.-F. Martin - FRANCE
- Evolution of drug research in the pharmaceutical industry and how this affects tropical pandemics?  
*Evolution de la recherche industrielle sur le médicament et prise en compte des pandémies tropicales.*  
P. Le Sourd - FRANCE
- The fight against counterfeit drugs in less developed countries.  
*Moyens de lutte contre les contrefaçons de médicaments dans les pays les moins avancés.*  
P. Bernagou - FRANCE

#### MPM Room

##### Clinical case presentations 2

E. Pichard - FRANCE,

N. Beeching - UK

#### IMTSSA Room

##### Workshop 10

##### Anti-infectious therapies / Drug surveillance in the tropics

**Chair:** M. Jouan - FRANCE

#### Speakers:

- Résistance aux antirétroviraux.  
J.-M. Reynes - MADAGASCAR
- Résistance aux antipaludéens.  
M. Randrianarivelosia - MADAGASCAR
- Résistance aux antibiotiques.  
J.-D. Perrier - MAROCCO

#### University Auditorium

##### Workshop 11

##### Methods of rapidly scaling up and sustaining protection from malaria

**Chair:** K. Mendis - SWITZERLAND

#### Speakers:

- Integration of LLIN distributions into mass vaccination campaigns.  
S. Hoyer - ZIMBABWE
- Highly subsidised social marketing through ante natal clinics.  
D. Chavasse - MALAWI
- Sustainable scale up through strengthening of the private sector.  
C. Lengeler - SWITZERLAND
- Rapid scale up of indoor residual spraying (IRS).  
B. Sharp - SOUTH AFRICA

#### Room 120

##### Workshop 11

##### Parasitology in Korea

**Chairs:** H.-J. Rim - KOREA,

J.-Y. Chai - KOREA

#### Speakers:

- Historical review of parasitology and parasitic disease control in Korea.  
H.-J. Rim - KOREA
- Recent trends of parasitology research in Korea. S.-T. Hong - KOREA
- Asian taenia: review of molecular studies. K. S. Eom - KOREA
- Epidemiological characteristics of the reemerging vivax malaria in Korea.  
J.-Y. Chai - KOREA
- Control of lymphatic filariasis in Korea.  
T.-S. Yong - KOREA

#### Room 92

##### Workshop 13

##### Millenium Development goals

**Chair:** L. Niessen - THE NETHERLANDS

#### Speakers:

Achieving the Millenium Development Goals for Health: a re-examination of intervention strategies.  
T. Tan-Torres - Edejer

#### Room 50

##### Workshop 12

##### Host location and recognition in blood-sucking insects and applications to the control of vector-borne diseases

**Chair:** C. Lazzari - FRANCE

#### Speakers:

- Molecular genetics of mosquito olfaction. L. J. Zwiebel - USA



# Programme

- Ecology, behaviour and genetics of mosquitoes.  
*C. Costantini - BURKINA FASO*
- Learning and memory in insect disease vectors.  
*P. McCall - UK*
- Chemical orientation and host location in Chagas disease.  
*R. Barrozo - FRANCE*
- Host recognition and the thermal sense of insect disease vectors.  
*C. Lazzari - FRANCE*

**10:00 – 10:30**

COFFEE BREAK / POSTER VIEWING EXHIBITION

**10:30 – 12:30**

**Pharo Auditorium**

**Control of African trypanosomiasis**

**Chairs:** *M. Perkins - SWITZERLAND, J. Vieira Dias Van Dunen - ANGOLA*

**Keynote speaker:**

- Novel pentamidine-related compounds for the treatment of sleeping sickness and malaria.  
*J.E. Hall - USA*

**Speakers:**

- Studies on human trypanosomiasis in Delta State, Nigeria.  
*P. Nmorsi - NIGERIA*
- Diagnosis and treatment of the first human case of Trypanosomiasis caused by *Trypanosoma evansi*.  
*R. Katti - INDIA*
- Drug toxicity and financial barriers are the main determinants of low participation of the population in the hat control program in the Democratic Republic of Congo.  
*P. Lutumba - CONGO*
- Re-emergence of sleeping sickness as a public health in Tanzania: existing issues and challenges.  
*I. Malele - TANZANIA*
- Evolution of some sleeping sickness foci in Ivory Coast and West Africa from 2000 to 2004.  
*P. Solano - IVORY COAST*
- Dot-elisa for diagnosis of CNS involvement in human African trypanosomiasis.  
*M.O. Jauberteau Marchan - FRANCE*

**MPM Room**

**Plasmodium vivax malaria**

**Chairs:** *P. Brasseur - SENEGAL, C. Ribeiro - BRAZIL*

**Keynote speaker:**

- Research on *Plasmodium vivax*: the future is here, but are the means?  
*J.W. Barnwell - USA*

**Speakers:**

- Attributable fraction based definitions and incidence of symptomatic *P. vivax* malaria in young Papua New Guinean children.  
*J. Kazura - USA*
- Trafficking pathways for uptake and delivery during intraerythrocytic *Plasmodium vivax* asexual cycle.  
*M. De La Rosa - VENEZUELA*
- Effects of *Plasmodium vivax* malaria in pregnancy in Bolivia (South America)  
*S. Mollinedo - BOLIVIA*
- Major burden of *P. vivax* infection in Papua, Indonesia; A region with high levels of chloroquine resistance.  
*E. Tjitra - INDONESIA*
- Immune responses to the *Plasmodium vivax* Duffy binding protein in individuals who had experienced their first *P. vivax* infection.  
*I. Ceravolo - BRAZIL*
- Experimental and natural transmission of *Plasmodium vivax* to humans in the Netherlands.  
*J.P. Verhave - THE NETHERLANDS*

**IMTSSA Room**

**Aids and tuberculosis**

**Chairs:** *M. Boeree - THE NETHERLANDS, K. McAdam - UK*

**Keynote speaker:** *A.D. Harries - MALAWI*

**Speakers:**

- *Mycobacterium canettii* tuberculosis infections.  
*E. Renoux - FRANCE*
- Evaluation of antiretroviral therapy (ART) of patients with HIV infection at the "Hôpital Principal de Dakar".  
*K. Ba-Fall - SENEGAL*
- A provincial TB commission diligently supports the diagnosis of smear-negative tuberculosis in Cuba.  
*J. Sevy - CUBA*
- Adjuvanted recombinant FPV and MVA as African HIV vaccine candidates.  
*T.J. Blanchard - UK*
- A simple algorithm for the diagnosis of AIDS-associated genitourinary tuberculosis.  
*J.H. de Waard - VENEZUELA*
- A paradoxical aggravation syndrome of tuberculosis during antiretroviral treatment.  
*A.R. Ndiaye - SENEGAL*

# Programme

## University Auditorium

### Human genetic polymorphism and resistance to parasitic infections

**Chairs:** *S. Williams Blangero - USA, A. Dessein - FRANCE*

#### Speakers:

- Genetic predisposition to human African trypanosomosis (HAT).  
*J. Millet - SENEGAL*
- Gene(s) in the 22Q12 region control susceptibility to visceral leishmaniasis (Kala-Azar) in a population of Sudan infected by *L. donovani*.  
*S.H. El-Safi - SUDAN*
- Genes influencing susceptibility to helminthic infection in a Nepalese population. *S. Williams-Blangero - USA*
- Genetic epidemiology of Chagas' disease in a Brazilian population.  
*J. Vandeberg - USA*
- Genetic analysis for susceptible gene to dengue hemorrhagic fever in Vietnam. *V.T. Dat - VIETNAM*
- TNF as a malaria candidate gene: polymorphism-screening and family-based association analysis of mild malaria attack and parasitemia in Burkina Faso. *P. Rihet - FRANCE*

## Room 120

### Anti-parasite drug design: new approaches

**Chairs:** *S. Croft - SWITZERLAND, J. Schrevel - FRANCE*

#### Keynote speaker:

- Anti-parasite drug design: dihydrofolate reductases as both targets and starting points. *Y. Yuthavong - THAILAND*

#### Speakers:

- Identification of a promising antimalarial synthetic drug named trioxaquine. *F. Benoit-Vical - FRANCE*
- Efficacy and safety of DB289, a new oral drug for treatment of first stage sleeping sickness: preliminary results from phase II trials.  
*J. Blum - SWITZERLAND*
- Evaluation of intravenous metronidazole treatment in severe amebiasis. *Y. Nawa - JAPAN*
- Effects of infection on the pharmacokinetics of new oral diamidines. *R. Brun - SWITZERLAND*
- Targeting the mitochondrial electron transport chain of *Plasmodium falciparum* for the development of novel drugs. *G. Biagini - UK*
- Miltefosine resistance affects the lipid metabolism in *Leishmania donovani* promastigotes. *M. Saint Pierre - FRANCE*

## Room 92

### Les maladies négligées : avancées diagnostiques et accès aux soins

**Chairs:** *L. Rahalison - MADAGASCAR, A. Same Ekobo - CAMEROON*

#### Keynote speaker:

- Les maladies négligées : de nouveaux scénarios pour d'anciens problèmes.  
*P. Olliaro - SWITZERLAND*

#### Speakers:

- Difficultés de contrôle des épidémies de virus Ebola : exemple d'un cas atypique observé au Gabon en 2002.  
*P. Yaba - GABON*
- Une nouvelle approche pour les maladies négligées : mis en place d'un partenariat pour le développement de nouveaux médicaments et les ressources en R&D des pays concernés.  
*A. Caminiti - SWITZERLAND*
- Immunochromatographie rapide pour le diagnostic sérologique de la peste : mise au point et évaluation  
*L. Rahalison - MADAGASCAR*
- Observance des traitements antipaludiques dans un dispensaire en zone rurale au Sénégal.  
*A. Souares - SENEGAL*
- Épidémiologie des opistorchiases dans une zone rurale du sud Laos.  
*S. Syasone - LAOS*
- Evaluation du processus de prise en charge du paludisme lors des consultations prénatales dans une plantation du sud Cameroun.  
*N. Vernazza-Licht - FRANCE*
- Situation épidémiologique de la THA en zone de mangrove / Guinée.  
*M. Camara - GUINEA*
- Le ver de Guinée est-il éradiqué au Cameroun ? *A. Same-Ekobo - CAMEROON*

## Room 50

### Cultural and health in post-conflict situations

**Chairs:** *A. van Der Kwaak - THE NETHERLANDS, J.M. Richters - THE NETHERLANDS*

#### Keynote speaker:

- The long-term consequences of war trauma in Sub-Saharan Africa: the role of socio-cultural resources in addressing the health needs of war survivors.  
*V. Igreja - THE NETHERLANDS*

#### Speakers:

- The effects of violence on kinship relations and health.  
*E. Van Dongen - THE NETHERLANDS*
- Traditional healing in postconflict Burundi. *H. Ndayisaba - BURUNDI*



# Programme

- Traditional healing in Cambodia: strengths and limitations.  
*W. Van de Put - THE NETHERLANDS*
- Improvement in disaster medical care response in West-Africa: SOS médecins experience. *L. Ndiaye - SENEGAL*
- Internally displaced populations and identities.  
*A. Van der Kwaak - THE NETHERLANDS*

**12:30 – 14:00**

LUNCH / POSTER VIEWING / EXHIBITION

**14:00 – 16:00**

**Pharo Auditorium**

Plenary session IV

**Chairs:** *K. de Koning - THE NETHERLANDS, J. Delmont - FRANCE*

**Keynote speakers:**

- From artemisinin to trioxaquines.  
*De l'artémisinine aux trioxaquines.*  
*B. Meunier - FRANCE*
- Vaccine coverage in a rural area of Senegal between 1984 and 2004.  
*La couverture vaccinale en zone rurale au Sénégal entre 1984 et 2004.*  
*J.-P. Chippaux - SENEGAL*
- Global change and the challenges for tropical and international health.  
*Les changements au niveau global et leurs implications sur la santé tropicale et internationale.*  
*M. Tanner - SWITZERLAND*
- Treatment of malaria and clinical trials of new antimalarials in Thailand.  
*Le traitement du paludisme et les essais cliniques de nouveaux médicaments en Thaïlande.*  
*S. Loareesuwan - THAILAND*

**MPM Room**

**Malaria epidemiology**

**Chairs:** *B. Greenwood - UK, C. Rogier - FRANCE*

**Speakers:**

- Epidemiology of malaria in the endemic northeastern region of Venezuela (sucre) during 2002-2003.  
*A. Rodriguez-Morales - VENEZUELA*
- Long-term effect of lower exposure to Plasmodium falciparum malaria on the naturally acquired clinical immunity in people living in endemic areas.  
*J.-B. Meynard - FRANCE*
- Epidemiology of malaria in Mauritania.  
*L. Konaté - SENEGAL*
- Effects of livestock ownership on malaria risk: a case-control study in Ethiopia. *A.O. Franco - UK*

- Impact of season and age on Plasmodium falciparum density and fever incidence in rural Mali.  
*M. Diallo - MALI*
- Imported malaria in France: statistics, exposition, prophylaxis, diagnosis and treatment. *E. Noireau - FRANCE*
- Plasmodium falciparum: genetic polymorphism and identification of recrudescence infections in field isolates of India. *H. Joshi - INDIA*

**IMTSSA Room**

**Workshop 14**

**Infectious diseases outbreaks**

**Chairs:** *N. Hien - VIETNAM, M. Jouan - FRANCE*

**Speakers:**

- Influenza and avian flu in Asia.  
*S. Vong - CAMBODIA*
- Haemorrhagic fevers in Africa.  
*A. All - SENEGAL*
- Outbreaks of cholera.  
*P. Nabeth - SENEGAL*

**University Auditorium**

**Workshop 15**

**Sustainability of healthcare service interventions in developing countries**

**Chairs:** *F. Flachenberg - FRANCE, S. Girois - FRANCE*

**Room 120**

**Workshop 16**

**Rapid diagnostic tests: new tools for new strategies**

**Chairs:** *O. Doumbo - MALI, P. Jacquier - SWITZERLAND*

**Speakers:**

- Current status of malaria routine diagnosis in Africa: from theory to field use.  
*B. Faye - SENEGAL*
- Place of RDT for malaria in routine individuals diagnosis and in blood donor screening.  
*A. Massougbdji - BENIN*
- New data and strategies for the diagnosis of malaria in Madagascar.  
*M. Randrianarivelosia - MADAGASCAR*
- Use of RDT by Médecins Sans Frontières (MSF), for better management of visceral leishmaniasis in the field.  
*F. Chappuis - SWITZERLAND*
- New strategies for the diagnosis of Kala-Azar in India. Strategic place of RDT in therapy!  
*S. Sundar - INDIA*

# Programme

- Impact of malaria RDT in therapeutic strategies, especially concerning the use of "ACT".  
*O. Doumbo - MALI*

## Room 92

### Workshop 18

#### Prevent resistance to ARVs while implementing the 3/5 WHO strategy

**Chair:** *J.-L. Rey - FRANCE*

#### Speakers:

- Situation of resistance to ARVs in Africa. Prevention of resistance to ARVs. *S. Mboup - SENEGAL*
- Means of prevention: choice of therapeutic strategies.  
*J. Moreau - FRANCE*
- Means of prevention: ensure compliance exceeding 90%.  
*Dr Dembélé - MALI*
- Monitoring resistance to ARVs in Africa. *E. Delaporte - FRANCE*

**16:00 – 16:30**

COFFEE BREAK / POSTER VIEWING EXHIBITION

**16:30 – 18:30**

## Pharo Auditorium

### Schistosomiasis

**Chairs:** *D. Rollinson - UK, A. Théron - FRANCE*

#### Keynote speaker:

- Schistosomiasis: challenge and perspectives for control and operational for the XXI<sup>st</sup> century.  
*L.-A. Tchuem Tchuente - CAMEROON*

#### Speakers:

- Microsatellite DNA variation of *Schistosoma japonicum*.  
*B.Z. Qian - CHINA*
- Hydraulic plannings and schistosomiasis: case of Sourou in Burkina Faso.  
*K. Sondo - BURKINA FASO*
- Interspecific interactions between *Schistosoma mansoni* and *Schistosoma rodhaini*. *D. Rollinson - UK*
- Analysis of the 5Q31-Q33 locus shows an association between IL13-1055C/T IL13-591A/G polymorphisms and *Schistosoma haematobium* infections.  
*O. Doumbo - MALI*
- Schistosomiasis on Zanzibar: progress towards control. *I.S. Khamis - TANZANIA*
- Liver morbidity due to schistosomiasis in Cambodia after seven years of annual mass drug administration.  
*M. Strobel - LAOS*

## MPM Room

### GlaxoSmithKline SYMPOSIUM

Closing the loop between drug development and medical need in the developing world

**Chair:** *P. Brasseur - SENEGAL*

#### Keynote speakers:

- Health, poverty, education, politics and trade: the burden of disease in developing countries.  
*P. Brasseur - SENEGAL*
- Challenges for drug discovery and development for the developing world. *S. Nwaka - SWITZERLAND*
- Challenges for setting drug policies and ensuring patient access in the developing world. *R. Snow - KENYA*

## IMTSSA Room

### Malaria immunology

**Chairs:** *C. Behr - FRANCE, M. Hommel - UK*

#### Keynote speaker:

- Naturally acquired immunity to pregnancy-associated malaria - old wine in a new bottle?  
*L. Hviid - DENMARK*

#### Speakers:

- Malaria parasites activate regulatory T cells through innate immune receptors. *K. Himeno - JAPAN*
- Susceptibility of the immunomodulated NOD/LTSZ-SCID mice to different *P. falciparum* strains and clinical isolates: the course of infections and pathology.  
*A. Benito - SPAIN*
- Evolution of cellular immune responses to *Plasmodium falciparum* blood stage antigens from birth to 36 months of age in Cameroon.  
*D. Etye'Ale - CAMEROON*
- Natural killer cell activity associated with placental *Plasmodium falciparum* infection. *P. Kremsner - GERMANY*
- Dynamics of IGG subclasses to *Plasmodium falciparum* variant surface antigens in relation to the intensity of malaria transmission in north-eastern Tanzania. *L. Hviid - DENMARK*
- Characterization of the naturally occurring antibody response to *Plasmodium falciparum* erythrocyte membrane protein 1 (RFEMP1).  
*K. Marsh - KENYA*

# Programme

## University Auditorium

### Travel medicine

**Chairs:** L. Loutan - SWITZERLAND,  
M. Rey - FRANCE

#### Keynote speakers:

- The changing world of travel medicine for children. *C.C. John - USA*
- Travel medicine and pregnancy. *P.A. Leggat - AUSTRALIA*

#### Speakers:

- Child traveler morbidity in Senegal: 2001-2004 / SOS Médecins experience. *I. Diop - SENEGAL*
- How to manage yellow fever vaccination in HIV-living travelers? *C.H. Verdier - FRANCE*
- Travel associated dengue infections in the United States, 2001-2004. *G. Clark - PUERTO RICO*
- Open-label, uncontrolled multi-center study of the efficacy and safety of Coartem®/Riamet® in the treatment of acute, uncomplicated *P. falciparum* malaria in non-immune travelers: preliminary results. *C.Hatz - SWITZERLAND*

## Room 120

### Dengue

**Chairs:** M. Guzman - CUBA,  
H. Tolou - FRANCE

#### Keynote speaker:

- Dengue and (DHF/DSS) an overview. *G. Kouri - CUBA*

#### Speakers:

- Population dynamics of dengue viruses. *J. Aaskov - AUSTRALIA*
- Functional and transcriptome analysis of the response of human microvascular cells from different vascular beds to dengue infection. *P. Couissinier-Paris - FRANCE*
- Identification of a novel tetraspanin C189 from mosquito cells infected with dengue 2 virus by using subtractive hybridization. *C.C. Lin - TAIWAN*
- Adult dengue fever / A retrospective clinical study of inpatients from Vientiane, Laos. *B. Martinez - LAOS*
- Secondary infection as a key risk factor for dengue hemorrhagic fever. New observations. *M.G. Guzman - CUBA*
- Drug-discovery against dengue: an integrated approach. *J.-L. Romette - FRANCE*

## Room 92

### Management of opportunistic infections in AIDS

**Chairs:** S. Graham - MALAWI  
J. Whitworth - UK

#### Keynote speaker:

- Managing opportunistic infections in Sub-Saharan African adults. *X. Anglaret - FRANCE*

#### Speakers:

- Malaria cases and deaths attributable to the HIV-epidemic in Sub-Saharan Africa a quantitative assesesment at country level. *E. Gouws - SWITZERLAND*
- Multiplex detection of diarrhoea causing protozoa in relation to HIV-status in Malawi, using real time PCR. *R. Ten Hove - THE NETHERLANDS*
- Impact of HAART on HIV and HSV-2 genital shedding among women in west Africa. *I. Konate - BURKINA FASO*
- Contribution of the bronchial endoscopy for the diagnosis of the respiratory symptoms of the aids in Senegal. *A.R. Ndiaye - SENEGAL*
- Cotrimoxazole prophylaxis in HIV-infected africans: from policy to practice? *S.M. Graham - MALAWI*

## Room 50

### Tropical liver

**Chair:** F. Klotz - SENEGAL

#### Keynote speaker:

- Parasitic liver. *P.-S. Mbaye - SENEGAL*

#### Speakers:

- International collaborative survey on epidemiology of hepatitis E virus in 11 countries. *K. Abe - JAPAN*
- Tuberculosis liver abcess. *F. Fall - SENEGAL*
- Co-infection by hepatitis C but not hepatitis B virus aggravates hepatic periportal fibrosis, portal hypertension and splenomegaly in a Sudanese population infected by schistosoma mansoni. *P. de Micco - FRANCE*
- Outbreak of hepatitis E in Darfur and Chad. *J.Y. Nizou - FRANCE*
- Recombinant HEV strains. *F. Jun - UK*
- Liver abcess analysis of 44 cases. *J.M. Debonne - SENEGAL*



# Programme

## WEDNESDAY SEPTEMBER 14

🕒 08:30 – 10:00

### Pharo Auditorium

#### Plenary session V

**Chairs:** M. Cappello - USA,

J.-E. Touze - FRANCE

#### Keynote speakers:

- The quest for an HIV vaccine.  
*A la recherche d'un vaccin contre le VIH.*  
M. Girard - FRANCE
- Development and maintenance of a competitive scientific research capacity in the field of tropical diseases in sub-Saharan Africa: utopia or reality?  
*Développement et maintien d'une capacité de recherche scientifique compétitive dans le domaine des maladies tropicales en Afrique sub-saharienne: utopie ou réalité?*  
O. Doumbo - MALI
- A family of new vaccines against flavivirus infections.  
*Une nouvelle famille de vaccins contre les infections à flavivirus.*  
T. Monath - USA
- Combating tropical infectious diseases and the disease control priorities project: a convergence of science, epidemiology and economics.  
*La lutte contre les maladies tropicales et les priorités de contrôle des maladies: une convergence de la science, de l'épidémiologie et de l'économie.*  
J. Breman - USA

### MPM Room

#### Clinical case presentations 3

E. Pichard - FRANCE,

N. Beeching - UK

### IMTSSA Room

#### Workshop 19

#### Nomad health and zoonoses

**Chair:** P. Craig - UK

#### Speakers:

- Transectoral health and zoonoses control in developing countries.  
J. Zinsstag - SWITZERLAND
- Control options for echinococcosis in African and Asian nomadic communities. P. Craig - UK

### University Auditorium

#### Workshop 20

#### Moving beyond the status quo: improved diagnostic and treatment for tropical diseases

**Chair:** K. Laouabdia Sellami - FRANCE

#### Keynote speakers:

D. Berman - FRANCE

J.-M. Kindermans - BELGIUM,

M. Balasegaram - THE NETHERLANDS

### Room 120

#### Workshop 21

#### Climate, landuse change and infectious disease in the Sahel

**Chair:** M. Thomson - USA

#### Speakers:

- Climate, landuse change and infectious disease in the Sahel. M. Thomson - USA
- Climate and malaria in Niger.  
I. Jeanne - NIGER
- Meningococcal meningitis and climate in West Africa. L. Cuevas - UK
- Contribution of GIS to the monitoring of malaria epidemics in Mali.  
N. Sogoba - MALI

### Room 92

#### Workshop 22

#### Final push for dracunculiasis eradication

**Chair:** M. Karam - SWITZERLAND

#### Speakers:

A. Tayeh - SWITZERLAND,

S. Cairncross - UK

10:00 – 10:30

COFFEE BREAK / POSTER VIEWING EXHIBITION

10:30 – 12:30

### Pharo Auditorium

#### Young investigators presentations -

#### Prix de thèse de Médecine

- Université Française

- Université Francophone

**Chairs:** P. Saliou - FRANCE,

D. Warrell - UK

#### Speakers:

- Insecticide-repellent mixture: a promising tool for mosquito control.  
C. Pennetier - FRANCE
- Asymptomatic carriage of serogroup W135 meningococcus in Niamey (Niger): relationship with acquired protective immunity.  
A. Amadou-Hamidou - NIGER

# Programme

- First isolation of nipah virus in Cambodia, in Lyle's flying fox.  
*M.C. Georges-Courbot - FRANCE*
- IFN-Gamma polymorphisms are associated with severe hepatic fibrosis in human hepatic schistosomiasis (*Schistosoma mansoni*).  
*H.A. Young - USA*
- Evaluation of a HIV care program implemented in 13 sub-Saharan Africa countries.  
*S. Grigioni - FRANCE*
- High grade chloroquine resistant *Plasmodium vivax* in Papua, Indonesia: potential for amodiaquine as salvage therapy.  
*N.M. Anstey - AUSTRALIA*
- Experimental severe falciparum malaria in squirrel monkey.  
*S. Kano - JAPAN*
- Short term tonometric results after deep sclerectomy and external trabeculectomy in black africans.  
*M.H. Sarr - SENEGAL*
- Population biology of multispecies helminth infection: interspecific interactions and parasite distributions.  
*M.G. Basarez - UK*

## **MPM Room**

### **Genetics of resistance and susceptibility to malaria**

**Chairs:** *R. Bayoumi - OMAN, C. Plowe - USA*

#### **Keynote speakers:**

- Role of host and parasite genetics in anti-malarial drug resistance.  
*A. Djimde - MALI*

#### **Speakers:**

- Analysis of single-nucleotide polymorphisms of resistance genes among *Plasmodium falciparum* isolates from two endemic regions of Colombia.  
*A. Maestre - COLOMBIA*
- Immunologic and parasitic factors involved in malaria susceptibility in two sympatric ethnic groups in Mali.  
*M. Daou - MALI*
- Environmental versus familial risk factors for severe malaria in children living in Bamako, Mali.  
*M.M. Keita - MALI*
- Molecular genotyping in antimalarial combination therapy trials conducted in Sub-Saharan Africa: adjustment of parasitological cure rates and assessment of effectiveness.  
*H. Mshinda - TANZANIA*

- An evaluation of drug sensitivity and genetic diversity of *P. vivax* in Calcutta, India.  
*J.R. Kim - THAILAND*
- Associations between frequencies of a susceptible TNF-alpha promoter allele and protective Alpha-Thalasseмии and malaria parasite incidence in Vanuatu.  
*K. Hirayama - JAPAN*

## **IMTSSA Room**

### **Drugs for neglected diseases**

#### **Chairs:**

*C. Hodgkin - NETHERLANDS, B. Pecoul - SWITZERLAND*

#### **Keynote speaker:**

*N. White - THAILAND*

#### **Speakers:**

- Safety, efficacy and pharmacokinetics of artesunate and amodiaquine in fixed formulation VS. loose formulation in the treatment of mild and uncomplicated malaria.  
*S.B. Sirima - BURKINA FASO*
- Safety and efficacy of a new artesunate-mefloquine co-formulation for the treatment of acute, uncomplicated falciparum malaria a randomised trial.  
*E. Ashley*
- Combining existing drugs for the treatment of human African trypanosomiasis.  
*G. Priotto - FRANCE*
- Combination therapy for visceral leishmaniasis.  
*S. Sundar*
- Leishmaniasis east Africa platform: the network and preliminary results of the paromomycin trial.  
*M. Wasunna*
- A new paradigm for neglected diseases: partnerships to develop both new drugs and R&D capacities in the concerned countries.  
*P. Millet - FRANCE*

## **University Auditorium**

### **Multi-drug resistant tuberculosis in the tropics**

**Chairs:** *J.C. Palomino - BELGIUM, E. Gotuzzo - PERU*

#### **Keynote speaker:**

- Multidrug resistant tuberculosis in the tropics.  
*I.C. Shamputa - BELGIUM*

#### **Speakers:**

- Bactericidal activity of R207910, a diarylquinoline, against *Mycobacterium leprae* in mice.  
*B. Ji - FRANCE*
- Dihydropteroate synthase mutations (FOLP1 gene) predict dapsone resistance in relapsed cases of leprosy.  
*B. Ji - FRANCE*

# Programme

- Is the rapid detection of rifampicin resistance of Mycobacterium leprae feasible in Madagascar?  
*M. Vololoarinosinjatovo - MADAGASCAR*
- Drug resistance for Mycobacterium tuberculosis isolates in the instituto de infectologia Emilio Ribas.  
*S. Souza - BRAZIL*
- Effects of immunity on outcomes during tuberculosis chemotherapy: a review. *L. Bestaoui - ALGERIA*
- Severe anemia at "Hôpital principal de Dakar". Prospective study about 361 cases (preliminary report).  
*A.R. Ndiaye - SENEGAL*
- Distribution of mixed infection from schistosomes, soil transmitted helminths and *P. falciparum*, in primary school Zimbabwean children: impact on anaemia, nutrition status and the role of integrated school based malaria, helminthiasis control and health education. *G. Weolk - ZIMBABWE*
- Intestinal parasites and anaemia among school age children in Behera governorate, Egypt. *F. Curtale - ITALY*

## Room 120

### Malaria and dengue vector control

**Chairs:** *D. Fontenille - FRANCE,*

*H. Townson - UK*

#### Speakers:

- *Aedes albopictus* - transmitted dengue in the Kerala State, south India, with emphasis on possible pathways of distribution of dengue and its vectors.  
*B.K. Tyagi - INDIA*
- Genetic variability of *Aedes aegypti*, the main dengue vector in Cambodia.  
*M. Vazeille - FRANCE*
- Spatial approach of the most productive breeding sites for *Aedes aegypti* using gis and remote sensing.  
*W. Bonyuan - THAILAND*
- The unbearable lightness of technocratic solutions to *Aedes aegypti* control. *V. Vanlerberghe - BELGIUM*
- Focal study on genetic variability and insecticide resistance in Venezuelan populations of *Aedes aegypti*.  
*J. Ruiz - VENEZUELA*
- *Aedes aegypti* size estimation from different types of water containers in playa, Havana city, Cuba.  
*V. Vanlerberghe - BELGIUM*
- Microdissection of polytene chromosomes for vector genomics.  
*R. Post - UK*

## Room 92

### Pathogenesis of anaemia in the tropics

**Chair:** *N. Van Den Broek - UK*

**Keynote speaker:**

*N. Van Den Broek - UK*

#### Speakers:

- The ring-surface protein RSP2 a trigger of *P. falciparum* anemia.  
*J. Gysin - FRANCE*
- Aetiology of anaemia in children aged 8 to 72 months in rural Cambodia.  
*C.T. Srey - CAMBODIA*
- Ultrastructural investigation of red cell deformation in severe malaria.  
*D. Ferguson - UK*

## Room 50

### SWAPs and health sector reform

**Chairs:** *A. Green - UK,*

*K. De Koning - THE NETHERLANDS*

**Keynote speaker:**

*Y. Pillay - SOUTH AFRICA*

#### Speakers:

- Colombia and Cuba, contrasting models in Latin America's health sector reform.  
*P. Van der Stuyft - BELGIUM*
- How to scale up human resources for global health initiatives?  
*K. De Koning - THE NETHERLANDS*
- Community - based monitoring of the evolution of death burden due to tropical diseases in a rural area of Ecuador. *M. Marquez - ECUADOR*
- Public private initiatives and health systems development: synergy or antagonism?  
*J. Koot - THE NETHERLANDS*
- Translations of health sector SWAPs a comparative study of health sector development cooperation in Uganda, Zambia and Bangladesh.  
*K. Sahlin-Andersson - SWEDEN*
- Feasibility of SWAP in the post-Soviet context. *T. Mirzoev - UK*

**12:30 – 14:00**

LUNCH / POSTER VIEWING / EXHIBITION

**14:00 – 16:00**

**Pharo Auditorium**

**Plenary session VI**

**Chairs:** *J. Roux - FRANCE,*

*S. Mas Coma - SPAIN*

**Keynote speakers:**

- Making the difference to health: resolving the HR crisis in resource deprived settings.  
*Faire la différence dans la santé : résoudre la crise des ressources humaines dans des conditions difficiles.*  
*D. Dovlo - GHANA*



# Programme

- Recent studies on cysticercosis and taeniosis due to *Taenia solium*.  
*Etudes récentes sur la cysticercose et les infections par Taenia solium*.  
A. Flisser - MEXICO
- Gender and infectious diseases.  
*Sexe et maladies infectieuses*.  
S. Theobald - MALAWI
- Influenza in the tropics.  
*La grippe sous les tropiques*.  
J.-C. Manuguerra - FRANCE

## MPM Room

### Molecular biology of malaria parasites

**Chairs:** A. Scherf - FRANCE,  
D. Wirth - USA

#### Keynote speaker:

- Molecular interactions in red cell invasion and cytoadherence by malaria parasites: opportunities for intervention.  
C.E. Chitnis - INDIA

#### Speakers:

- Detection of a minority mutant population by a clamping probe assay using a locked nucleic acid: demonstration on the PFCRT K76T mutation of *Plasmodium falciparum*.  
A. Berry - FRANCE
- Polymorphisms in the PFCRT gene and amodiaquine resistance in Colombian *P. falciparum* isolates.  
G. Förberg - SWEDEN
- Structured African *Plasmodium falciparum* populations: new markers, new evidence.  
H. Bogreau - FRANCE
- DNA fragmentation and phosphatidylserine externalization during *Plasmodium falciparum* apoptosis.  
F. de Monbrison - FRANCE
- Tagging of normal erythrocytes with *Plasmodium falciparum* rhoptry proteins induce cell rigidification: implications for the physiopathology of severe malaria.  
Y. Sterkers - FRANCE

## IMTSSA Room

### Leishmaniasis

**Chairs:** J.-P. Dedet - FRANCE,  
P. Desjeux - FRANCE

#### Keynote speaker:

- WHO and the leishmaniasis control programs in the pipeline.  
J. Alvar - SWITZERLAND

#### Speakers:

- A descriptive analysis of the effectiveness and safety of conventional amphotericin B for the treatment of visceral leishmaniasis in eastern Uganda.  
L. Loutan - SWITZERLAND

- Rapid tests and diagnosis of human leishmaniasis.  
C. Fissore - FRANCE
- Epidemic of human cutaneous leishmaniasis caused by *Leishmania donovani* in Sri Lanka.  
T. Agatsuma - JAPAN
- Cost-effectiveness analysis of current first-line drug regimens for visceral leishmaniasis.  
M. Boelaert - BELGIUM
- Molecular epidemiology and genetic polymorphism of *Leishmania (viannia) guyanensis* in French Guiana.  
J.-P. Dedet - FRANCE
- Paromomycin as a new cure for visceral leishmaniasis: preliminary results of a phase III randomized controlled trial of efficacy and safety.  
S. Sundar - INDIA

## University Auditorium

### Sélection de travaux soumis pour publication à la Société de Pathologie Exotique

**Chairs:** C. Chastel - FRANCE,  
P. Saliou - FRANCE

- Développement d'un test dot blot de détection d'antigène, basé sur le système de fixation Biotine-Avidine pour le diagnostic de l'onchocercose humaine.  
F.E. Wembe - CAMEROON
- Diagnostic et traitement du cancer invasif du col utérin au Cambodge (à propos de 35 cas).  
D. Monchy - CAMBODIA
- Evaluation de l'efficacité thérapeutique de la chloroquine versus amodiaquine dans le traitement du paludisme simple à Abie, Côte d'Ivoire. Etudes in vivo et in vitro.  
T. Adjetej - IVORY COAST
- L'incidence des morsures de serpents en zone rurale au Sénégal oriental.  
E. Guyavarch - FRANCE
- Comportement d'*Anopheles gambiae* KDR+ face à des moustiquaires bi-imprégnées d'insecticides pyrèthrinoïde et organophosphoré.  
F. Darriet - FRANCE

## Room 120

### Child health in the tropics

**Chairs:** R. Broadhead - MALAWI,  
P. Imbert - FRANCE

#### Keynote speaker:

- Child and newborn health in developing countries.  
O. Fontaine - SWITZERLAND

# Programme

## Speakers:

- The effect of HIV seropositivity on paediatric bacterial meningitis in Blantyre, Malawi. *A. Njobvu - MALAWI*
- Shigellosis associated encephalopathy or Ekiri syndrome in Iranian pediatric patients. *F. Fattahi - IRAN*
- Evaluation of children fever attacks management in health centres in Maroua and Bafoussam, Cameroon. *R. Okalla - CAMEROON*
- Maternal and neonatal mortality. What strategies to adopt? *L. de Bernis - SWITZERLAND*
- Prospective study of dengue infection in school children in long Xuyen, Vietnam. *N.R. Nguyen - VIETNAM*
- Bladder stones in childhood / A descriptive study in a rural setting of southern Laos. *Z. Zhou - LAOS*

## Room 92

### Natural drugs and traditional medicine

**Chairs:** *G. Bodecker - UK, M. Randrianarivelojosia - MADAGASCAR*

**Keynote speaker:** *B. Gilbert - BRAZIL*

- Development of Brazilian medicinal plants to combat tropical endemic diseases. *B. Gilbert - BRAZIL*

## Speakers:

- Decoction of *Argemone mexicana* is clinically effective in uncomplicated falciparum malaria. *D. Diallo - MALI*
- Ethnographic study on herbs and rituals: a dialogue between traditional birth attendants and professional midwife in relation to childbirth and delivery. *N. Henda - SOUTH AFRICA*
- Traditional healers and reduction of severe malaria case fatality rate in Bandiagara, Mali: impact of a fruitful partnership. *B. Dackuo - MALI*
- The collaboration between indigenous African healers, nurses community health workers in preventing STIS, TB HIV infection and aids: an intervention study in Kwazulu-natal province South Africa 2004. *N. Mngqundaniso - SOUTH AFRICA*
- Myrtle (*Myrtus communis*, L.): from the Mediterranean tradition a potential antiparasitic lead. *L. Verotta - ITALY*
- Pharmacological and phytochemical study of antimalarial plants among the Baka pygmies of the Dja biosphere reserve, Cameroon. *J. Fotie - CANADA*

## Room 50

### Ophthalmology in the tropics

**Chair:** *P. Queguiner - FRANCE*

**Keynote speaker:**

*S. Resnikoff - SWITZERLAND*

## Speakers:

- Progress toward global elimination of blinding trachoma. *C. Stengel - RWANDA*
- Global and regional cost and effects of cataract and trachoma control. *K. Frick - USA*
- Modelling the influence of household clustering on control of trachoma by antibiotics. *S. West - USA*
- Autograft of conjunctive and tenon in the treatment of perforative cornea. *H. Andriamaro - SENEGAL*
- Eliminating ocular Chlamydia trachomatis with mass antibiotic treatments. *M. Melese - USA*
- The needs in eye care in west Africa. *S.S. Kambou - BURKINA FASO*

**16:00 – 16:30**

COFFEE BREAK / POSTER VIEWING EXHIBITION

**16:30 – 18:30**

**Pharo Auditorium**

**ASTMH SYMPOSIUM**

**West-Nile virus: history, epidemiology, medical impact**

**Chair:** *T. Monath - USA*

## Speakers:

- West Nile virus was isolated in Uganda in 1937: Why? *D.S. Burke - USA*
- West Nile virus emergence in the Americas: public health and medical impact. *L.R. Petersen - USA*
- West Nile virus in Europe and Africa: minor pathogen or potential threat to public health? *P. Couissinier-Paris - FRANCE*
- Clinical manifestations of West Nile virus infection in humans. *J.J. Sejvar - USA*

## MPM Room

**Malaria pathophysiology**

**Chairs:** *O. Doumbo - MALI, G. Grau - FRANCE*

**Keynote speaker:**

- Pathophysiology of severe falciparum malaria. *C. Newton - KENYA*

## Speakers:

- Sensitisation of endothelium to TNF induced by malarial cytoadherence. *A. Ivens - UK*

# Programme

- MRP8/14 as a marker for severity in falciparum malaria. *S. Kano - JAPAN*
- Cell derived microparticles in malaria patients as a marker for disease severity. *N. White - UK*
- Endothelial apoptosis in malaria and sepsis: contribution of neutrophils, therapeutic implications. *E.C. Reisinger - GERMANY*
- Implication of microparticles in the microvascular pathology of cerebral malaria: evidence in man and mouse. *T.E. Taylor - MALAWI*
- Isolated-perfused spleen: an ex-vivo model for the study of host-parasite interaction in human malaria. *V. Brousse - FRANCE*

## **IMTSSA Room**

### **Entomology, epidemiology and vector population genetics**

**Chairs:** *A. Della Torre - ITALY, P. Carnevale - FRANCE*

#### **Keynote speaker:**

- Insecticide resistance in malaria vector mosquitoes in a gold mining town in Ghana and Implications for malaria control. *M. Coetzee - SOUTH AFRICA*

#### **Speakers:**

- Habitat-based modeling of larval control on entomological inoculation rates, incidence and prevalence of malaria. *W. Gu - USA*
- Antibody responses to anopheles salivary antigens is a marker of risk of malaria. *J.P. Herve - FRANCE*
- Characterisation of pyrethroid resistance in the southern African malaria vector *Anopheles funestus*. *M. Coetzee - SOUTH AFRICA*
- Environmental characterisation of *An. sudaicus*, malaria vector, in the southern Vietnam: consequences of the shrimp farming expansion of malaria risk in southeast Asia. *S. Manguin - FRANCE*
- Human DNA identification in mosquito bloodmeals by cytochrome B RFLP analysis. *M.A. Oshaghi - IRAN*
- Evaluation of the efficacy of a new insecticide paint for malaria control. *J.M. Hougard - BENIN*

## **University Auditorium**

### **Epidemiology of filariasis**

**Chairs:** *M. Boussinesq - FRANCE, K.-D. Ramaiah - INDIA*

#### **Keynote speaker:**

- The global program to eliminate lymphatic filariasis (LF): what will it take to achieve success? *E.A. Ottesen - USA*

#### **Speakers:**

- *Onchocerca volvulus*: genetic selection on the structural genes of amphid sensory neurones, OVDYF-8 and OVTUB, following repeated exposure to ivermectin. *J.K. Eng - CANADA*
- Effects of ivermectin on genotype and association with fertility in *Onchocerca volvulus*. *C. Bourguinat - CANADA*
- Lymphatic filariasis elimination: analysis of the population genetics of concurrent selection with albendazole and ivermectin on the possible spread of albendazole resistance. *M.G. Basanez - UK*
- Human infection patterns and heterogeneous exposure in river blindness. *M.G. Basanez - UK*
- Study of the qualitative and quantitative associations between *Onchocerca volvulus* and loa loa at individual host level. *S. Pion - UK*

## **Room 120**

### **Human fascioliasis: from genetics to epidemiology and control**

**Chairs:** *M. D. Bargues - SPAIN, G. Hillyer - PUERTO RICO*

#### **Speakers:**

- Human fascioliasis transmission and epidemiological patterns in endemic environments. *S. Mas-Coma - SPAIN*
- Diagnostics and vaccines in fascioliasis. *G. Hillyer - USA*
- A RDNA molecular evolutionary framework for lymnaeidae. *M.D. Bargues - SPAIN*
- The risk of gallstone disease in the advanced chronicity state of fascioliasis: an experimental study in a rat model. *M.A. Valero - SPAIN*
- Can the fascioliasis causal agents *Fasciola hepatica* and *F. gigantica* be differentiated at definitive host level? An adult stage comparison study with computer image analysis system (CIAS). *M.V. Periago - SPAIN*
- Intraspecific genetic variability in Lymnaeid snail vectors: RDNA genotyping studies with *lymnaea stagnalis*, type species of the family. *P. Artigas - SPAIN*



# Programme

- Present status of human and animal fascioliasis in Caspian littoral, northern part of Iran (2004). *M. Jafar - IRAN*
- The risk of gallstone disease in the advanced chronicity state of fascioliasis: an experimental study in a rat model. *M.A. Valero - SPAIN*
- Heart rate variability, QT and QTC dispersion in the co-infection T. cruzi and HIV. *V.J.D. Silva - BRAZIL*
- Association between electrocardiographic tracings and persistence of Trypanosoma cruzi in chronic Chagasic patients treated with itraconazole or allopurinol in long follow-up. *G. Sanchez - CHILE*

## Room 92

### Chagas disease

**Chair:** *A. Prata - BRAZIL*

*C. Schofield - UK*

### Keynote speaker:

- An overview of Chagas disease.  
*W. Apt - CHILE*

### Speakers:

- Epidemiological surveillance of Chagas disease with communitary participation in Trujillo, Venezuela.  
*A. Benitez Jesus - VENEZUELA*
- Comparison of two infective forms of Trypanosoma cruzi and their corresponding host cell response using microarray analysis.  
*M.N. Meirelles - BRAZIL*

- Epidemiology importance and metric variation among geographic populations of the Chagas vector Triatoma longipennis (hemiptera: reduviidae) in western Mexico.  
*J.A. Martinez-Ibarra - MEXICO*
- Epidemiological significance of T cruzi I and T. cruzi II strains circulating sympatrically in Bolivia.  
*S.F. Brenière - FRANCE*

# Programme

## THURSDAY SEPTEMBER 15

08:30 – 10:00

**Pharo Auditorium**

Plenary session VII

**Chairs:** F. Klotz - FRANCE,  
M. Boeree - NETHERLANDS

**Keynote speakers:**

- How to make the response to Ebola and Marburg viral haemorrhagic fever (VHF) more human: an anthropologic approach (Congo and Angola)  
*Humaniser la réponse aux épidémies de fièvre hémorragique à virus (FHV) Ebola et Marburg : approche anthropologique - Congo (février et décembre 2003) et Angola (février 2005).*  
A. Epelboin - FRANCE
- African malaria: climate matters.  
*Le paludisme en Afrique : le climat joue un rôle important.*  
M. Thomson - USA
- The role of the French military doctors in the tropics.  
*Action des militaires français sous les tropiques.*  
P. Queguiner - FRANCE

**MPM Room**

Clinical case presentations 4

E. Pichard - FRANCE,  
N. Beeching - UK

**IMTSSA Room**

Workshop 23

**Schistosomiasis and intestinal helminth control in Africa**

**Chair:** A. Fenwick - UK

**Speakers:**

N. Kabatereine - UGANDA,  
A. Garba - NIGER,  
S. Toure - BURKINA FASO

**University Auditorium**

Workshop 24

**From pathogenesis to malaria control in pregnant women**

**Chair:** U. d'Alessandro - BELGIUM

**Speakers:**

- ABO blood group type and malaria infection - an overview with a focus on placental malaria.  
M. Paz Loscertales - UK
- Pregnancy malaria and post - partum blood loss.  
U. Uddenfeldt-Wort - SWEDEN
- Anaemia as an indicator of malaria control in pregnancy. E. Savage - UK
- Birthweight as an indicator of malaria control pregnancy.  
K. Msyamboza - MALAWI

- Adolescent friendly health strategies for malaria and HIV control.  
L. Brabin - UK

**Room 120**

Workshop 28

**Counterfeit drugs: a public health threat**

**Chair:** Y. Juillet - FRANCE

**Speakers:**

- The pharmaceutical safety chain.  
H. J de Jong
- Title not yet received  
P. Duneton - FRANCE
- Impact of counterfeit medicines on health in Africa  
O. Doumbo - MALI
- Title not yet received  
A. Djimde - MALI

**Room 92**

Workshop 25

**A Euro-Mediterranean information system devoted to public health, the EMPHIS experience**

**Chairs:** K. Dellagi - TUNISIA,  
H. Debois - FRANCE

**Speakers:**

- The interest of using GIS for controlling leishmaniasis.  
A. Ben Salah - TUNISIA
- Role of data teletransmission in tuberculosis control: the Maghrebean experience through EMPHIS.  
F. Boulahbal - ALGERIA
- Enhancing nosocomial infections control in the Euro-Med area.  
J. Fabry - FRANCE
- Distance learning in public health: professional and academic modules developed by universities.  
P. Farah - LEBANON
- The use of an open portal in public health: the EMPHIS experience.  
F. Cavallo - ITALY

10:00 – 10:30

COFFEE BREAK / POSTER VIEWING EXHIBITION

10:30 – 12:00

**Pharo Auditorium**

**Best poster prize presentations**

**Chair:** P. Queguiner - France  
Prix remis par les anciens Présidents de la Société de Pathologie Exotique  
Pr G. Charmot, Pr P. Pene,  
Pr M. Gentilini, Pr A. Chippaux

# Programme

10:30 – 12:30

## MPM Room

### Meningococcal disease

**Chairs:** *S. Chanteau - NIGER,*  
*H. Peltola - FINLAND*

#### Keynote speaker:

- One hundred years of epidemic meningitis in Africa.  
*B. Greenwood - UK*

#### Speakers:

- Meningococcal meningitis in Niger: how is the risk related to the serogroup W135 evolving? *P. Boisier - NIGER*
- Following meningococci in Africa using multilocus sequence analysis.  
*E. Garnotel - FRANCE*
- Development and validation of a multiplex dipstick for the rapid diagnosis of *Neisseria meningitidis* serogroups A and Y/W135.  
*F. Nato - FRANCE*
- How to build on fifteen years of epidemic meningitis surveillance in Burkina Faso, Mali and Niger?  
*K. Touré - MALI*
- Current progress on meningococcal A conjugate vaccine: clinical development challenge and vaccine introduction perspective.  
*M.P. Preziosi - SWITZERLAND*
- Contribution of PCR to surveillance of acute bacterial meningitis in Africa: report on a successful experience of technological transfer to centre Muraz laboratory, Bobo-Dioulasso, Burkina Faso.  
*D. Giorgini - FRANCE*

## IMTSSA Room

### Echinococcosis

**Chairs:** *P. Craig - UK,*  
*P. Kern - GERMANY*

#### Keynote speaker:

- Strategies for the control of Hydatidosis/Echinococcosis in Israel.  
*J. El-On - ISRAEL*

#### Speakers:

- Human alveolar echinococcosis in Germany: disease prevalence and distribution since the first case report  
*R. Virchow - GERMANY*
- Immunophysiological roles for hydrophobic ligand binding protein of *Taenia solium* metacestode.  
*Y.A. Bae - KOREA*
- Cystic echinococcosis in eastern Africa: distribution and public health impact of different echinococcus species.  
*E. Zeyhle - KENYA*
- Molecular analysis of *Echinococcus granulosus* strains isolated in sheep, cattle, camels and humans in Tunisia.  
*H. Babba - TUNISIA*

- Phenotypic and genetic polymorphism of *Echinococcus granulosus* isolated in sheep, cattle, humans and camels in Tunisia.  
*H. Mezhoud - TUNISIA*
- Echinococcosis on the Tibetan plateau.  
*P. Schantz - USA*

## University Auditorium

### Malaria vaccine research

**Chairs:** *O. Puijalon - FRANCE,*  
*R. Sauerwein - NETHERLANDS*

#### Keynote speaker:

- The current status of malaria vaccine research and development in Europe.  
*D. Arnot - SCOTLAND*

#### Speakers:

- New surface antigens restricted to CSA-binding IES as potential targets in anti-placental malaria strategies.  
*N. Viaud - FRANCE*
- Analysis of anti-var2csa IGG response in a cohort of Senegalese pregnant women.  
*L. Turner - DENMARK*
- Malaria vaccine candidate using enolase antigen of *Plasmodium falciparum*.  
*K. Sato - JAPAN*
- Genetic polymorphism of the serine rich antigen N-terminal region in *Plasmodium falciparum* field isolates from Brazil.  
*C.T. Daniel-Ribeiro - BRAZIL*
- Analysis of genetic polymorphism of N-terminal region of the P126 protein in *Plasmodium falciparum* field isolates from the Brazilian Amazon.  
*D. Camus - FRANCE*
- Restricted genetic diversity of *Plasmodium falciparum* vaccine candidate MSP-2 in the Para and Rondônia Amazonian states, Brazil.  
*D. Santos-Amaral - BRAZIL*

## Room 120

### Arthropod-borne bacterial diseases

#### Chairs:

*D. Raoult - FRANCE, R. Birtles - UK*

#### Keynote speakers:

- Emerging rickettsioses.  
*D. Raoult - FRANCE*

#### Speakers:

- A study of the distribution of tick-borne borreliosis in west and central Africa.  
*S. AG Atteynine - MALI*
- Emergence of mediterranean spotted fever in Oran (Algeria).  
*H. Richet - FRANCE*
- Live-attenuated measles vaccine expressing the secreted form of the west Nile virus envelope glycoprotein protects against west Nile virus encephalitis.  
*C. Combredet - FRANCE*



# Programme

- Recent studies on tick-borne relapsing fever in east Africa. *P.J. McCall - UK*
- Incidence of rift valley fever in the Ferlo area (Senegal) during the 2003 rainy season. *Y. Thiongane - SENEGAL*
- Descriptive and spatial epidemiology of rift valley fever outbreaks in Yemen. *S. Abdosalem - FRANCE*
- European commission research strategy on poverty-related diseases. *A. Dieye - BELGIUM*
- The expansion of clinical trials in the developing countries: constraints, obstacles and role of health authorities and ethics committees. *J.P. Chippaux - SENEGAL*

## Room 92

### Multisectoral approach to AIDS

**Chairs:** *T. Barnett - UK, G. Tiendrebeogo - NETHERLANDS*

#### Keynote speaker:

- HIV/AIDS and its social and economic impacts: sundering the bonds of human society? *T. Barnett - UK*

#### Speakers:

- The potential impact of HIV and AIDS on the "outlook for fish to 2020". Why a multi-sectoral response is urgently needed. *R. Grellier - UK*
- Christianity, traditionalism and pornography: making sex in the age of death. *R.J. Prince - DENMARK*
- AIDS in Malawi: more than a health sector problem? *S. Choudhury - UK*
- Barriers to patient adherence to anti-retroviral therapy (ART) in lighthouse, Lilongwe, Malawi. *I. Makwiza - MALAWI*
- Images of knowledge, images of fear, the cosmology of HIV/AIDS in the Indian subcontinent. *K. Gopal - UK*
- Participation of indigenous African healers in prevention, care and treatment of HIV/AIDS/TB/STIS in Kwazulu-Natal, South Africa. *K. Peltzer - SOUTH AFRICA*

## Room 50

### Clinical trials for tropical diseases

**Chairs:** *J.-P. Chippaux - SENEGAL, A. Dieye - BELGIUM*

#### Keynote speaker:

- Why more clinical trials for Sub-Saharan Africa. *F. Ntoumi - GABON*

#### Speakers:

- "Blood-stealing", satanism and other stories about clinical trials in Sub-Saharan Africa: local debates about the ethics of international medical research collaboration? *P.W. Geissler - UK*
- Clinical trials of new combinations of antimalarials at the Bangkok hospital for tropical diseases. *K. Chalermrut - THAILAND*
- Overcoming new hurdles to field malaria prevention trials. *C. Ohrt - USA*

## 12:00 – 12:30

### Pharo Auditorium

- Announcement of the next congress in Amsterdam 2007 by *Pr. M. Boeree President of the Federation of the European Societies of Tropical Medicine and International Health*
- Announcement of the "XVII International congress for Tropical Medicine and Malaria" in Korea 2008, by *Pr. J.-Y. Chai President of the Korean Society of Parasitology*

## 12:30 – 14:00

LUNCH / POSTER VIEWING / EXHIBITION

## 14:00 – 16:00

### Pharo Auditorium

#### Strategies for malaria: prevention and control

**Chairs:** *U. D'Alessandro - BELGIUM, H. Mshinda - TANZANIA*

#### Keynote speaker:

- Title not yet received *B. Snow - KENYA*

#### Speakers:

- Anti-malaria drug use in general population of tropical area: a puzzling association with malaria endemicity. *B. Pradines - FRANCE*
- Secrets to success: how Vietnam, Brazil, Eritrea and India reduced malaria burden. *L. Barat - USA*
- Influence of asymptomatic carriage of the *P. falciparum* during the dry season on the incidence of clinical mild malaria attacks and on the mean level of infection during the high transmission season among Senegalese children. *O. Gaye - SENEGAL*
- Geographical information system for malaria pre-alert system in the highlands of Madagascar. *I. Jeanne - NIGER*
- Malaria in Sub-Saharan Africa: challenges and actions taken. *O. Gaye - SENEGAL*
- Rising malaria cases, roads, dams and migration in the last frontier: the need for a malaria early warning system for south-western Amazonia. *M. Cesario - BRAZIL*

# Programme

## MPM Room

### Anti-malarial drug resistance

**Chairs:** T. Jelinek - GERMANY

P. Olliaro - SWITZERLAND

#### Speakers:

- Comparison of the polymorphism of PFATP6 and PFTCTP genes in three endemic countries: Cambodia, French Guyana, Senegal. R. Jambou - SENEGAL
- SP resistance markers and falciparum malaria transmission. F. Mendez - COLOMBIA
- Mathematical modelling of antimalarial drug resistance. N.J. White - THAILAND
- Clinical versus community molecular monitoring of drug resistant malaria. I. Müller - NEW GUINEA
- Lumefantrine concentration and PFMDR1 copy number predict therapeutic efficacy of coartemether for multi-drug resistant falciparum malaria. S. Krishna - UK
- Coartemether versus artemisinine for drug resistant P. falciparum and P. vivax in Papua, Indonesia. A. Ratcliff - AUSTRALIA
- Therapeutic efficacy of sulfadoxine-pyrimethamine and chloroquine plus SP against P. falciparum uncomplicated malaria in Ethiopia. N. Pinchouk - ITALY
- Clinical assessment of antimalarial drugs in areas of intense malaria transmission: duration of follow-up, use of genotyping and risk factors. P. Olliaro - SWITZERLAND

## IMTSSA Room

### Post Tsunami

**Chairs:** R. Sebbag - FRANCE,

P. Saliou - FRANCE

#### Speakers:

- Water inhalation during the tsunami: what are the pulmonary consequences? Y. Purwosunu - BELGIUM
- Prevention of tropical communicable diseases in the aftermath of the tsunami by providing an adequate supply of uncontaminated water. B.A. Gaüzere - FRANCE
- Tsunami in Sri Lanka: initial pathologies on the south-eastern coast. F. Birgel - FRANCE
- Emergency action for COSI in Sri Lanka tsunami. P. Fouillant - FRANCE
- Measles immunization within children in January 2005: a priority in Indonesia after the tsunami. J.B. Meynard - FRANCE
- sanofi aventis action for the tsunami catastrophe. R. Sebbag - FRANCE

## Room 120

### Acceptabilité des programmes de vaccinations dans les pays en développement : aspects socio-culturels

**Chairs:** N. Guérin - FRANCE,

C. Goujon - FRANCE

#### Keynote speaker:

- Histoire des programmes de vaccination dans les pays en voie de développement. A.-M. Moulin - EGYPT

#### Speakers:

- Perception des maladies cibles du programme élargi des vaccinations dans une région du nord de la Côte d'Ivoire. B. Assemien - IVORY COAST
- Etude d'acceptabilité dans le cadre d'un programme de vaccinations au Togo. J. Cook - FRANCE
- Les structures quotidiennes de la vaccination. Y. Jaffre - FRANCE
- Problèmes d'acceptabilité rencontrés lors d'un essai comparatif de deux protocoles de vaccination contre l'hépatite B au Sénégal. C. Perrey - FRANCE

## Room 92

### Toxoplasmosis

**Chairs:** P. Ambroise-Thomas - FRANCE,

A. Hortua - COLOMBIA

#### Speakers:

- Seroepidemiology of toxoplasmosis in primigravida women in Hamadan, western Iran. M. Fallah - IRAN
- Isolation of Toxoplasma gondii from birds in northern of Iran. N. Zia-Ali - IRAN
- Prevalence of Toxoplasma gondii infection during pregnancy in Jojutla, Mexico. J. Ortiz-Cortés - MEXICO
- Evaluation of three techniques for detection of IGG and IGM antibodies against toxoplasma gondii in pregnant women. I. Canedo-Solares - MEXICO
- Development of a specific PCR assay for the diagnosis of swine Toxoplasmosis. H.Q. Song - CHINA
- Genotyping Toxoplasma gondii strains from mainland China. D.L. Zhang - CHINA
- Outbreak of severe human toxoplasmosis on the Surinamese side of the Maroni river. F. Djossou - FRANCE
- Vaccination against congenital toxoplasmosis. S. Ali - EGYPT

# Programme

## Room 50

### **Mycetomas: a heavy disease burden for Africa**

**Chairs:** *M. Develoux - FRANCE, M. Huerre - FRANCE*

**Keynote speaker:**

- Title not yet received  
*A.H. Fahal - SUDAN*

**Speakers:**

- Sporotrichosis in Madagascar.  
*D. Garcia-Hermoso - FRANCE*
- Mycetoma, pathology.  
*M. Huerre - FRANCE*
- Paracoccidioidomycosis as first clinical manifestation of HIV/AIDS. Case report and review.  
*A.J. Rodriguez-Morales - VENEZUELA*
- Identification of fungal mycetoma agents.  
*O. Lortholary - FRANCE*
- Deep mycoses in Cameroon: classification and epidemiological study of cases diagnosed in histopathology.  
*H. Fewou - CAMEROON*
- Rhinosporidiosis: presentation of a new case observed in Cameroon.  
*C. Nangue - CAMEROON*

**16:00 – 16:30**

**COFFEE BREAK / POSTER VIEWING EXHIBITION**

**16:30 – 18:30**

## Pharo Auditorium

### **Prevention of malaria in military and special groups**

**Chairs:** *J.E. Touze - FRANCE, C. Ohrt - USA*

**Keynote speaker:**

- Title not yet received  
*N. Neuburger - GERMANY*

**Speakers:**

- Development of an ELISA detecting doxycycline in urines to supervise the anti-malaria chemoprophylaxis in the French army.  
*F. Fumoux - FRANCE*
- Factors related to compliance with malaria chemoprophylaxis among French troops in Sub-Saharan Africa.  
*R. Migliani - FRANCE*
- Unexpected level of malaria transmission in the French military camp of Abidjan, Ivory Coast.  
*R. Migliani - FRANCE*
- Exposure to malaria transmission of French troops in operation in tropical Africa and efficacy of individual protective devices against malaria vectors.  
*E. Orlandi-Pradines - FRANCE*
- Mefloquine to prevent malaria: updating a systematic review.  
*A. Croft - GERMANY*
- Plasmodium vivax malaria outbreak in a squadron of state public force in French Guiana.  
*G. Loran-Haranqui - FRENCH GUIANA*

## MPM Room

### **Pyronaridine Artesunate symposium**

sponsored by Medicines for Malaria Venture/Shin Poong

**Chairs:** *O. Gaye - SENEGAL*

*S. Looareesuwan - THAILAND*

**Keynote speakers:**

- Pyronaridine artesunate combination therapy in vitro and in vivo activity and safety.  
*S. Croft - UK*
- Preclinical and clinical pharmacokinetics of the combination of pyronaridine and artesunate.  
*L. Fleckenstein - USA*
- Phase I trial for pyronaridine artesunate fixed ratio combination therapy.  
*I.J. Jang - KOREA*
- The position of combination therapy in the treatment of uncomplicated malaria.  
*P. Ringwald - SWITZERLAND*

## IMTSSA Room

### **Malaria in pregnancy**

**Chairs:** *B. Brabin - UK, F. Nosten - THAILAND*

**Speakers:**

- Treatment of malaria in pregnancy.  
*R. McGready - THAILAND*
- Pharmacokinetics of antimalarials in pregnancy.  
*R. McGready - THAILAND*
- Intermittent preventive treatment (IPT) of malaria during pregnancy with sulfadoxine pyrimethamine.  
*P. Moreira - SENEGAL*
- Maternal malaria is associated with adverse pregnancy outcomes and a high risk of congenital infection in Papua, Indonesia.  
*W. Fobia - INDONESIA*
- Involvement of hormones and natural killer cells in the susceptibility to malaria during pregnancy.  
*P.G. Kremsner - GERMANY*
- Safety of IPT with SP during pregnancy: a cohort stud.  
*T. Ndao - SENEGAL*
- Prevalence of malarial infection in pregnant women during dry and rainy season in Boromo health district, Burkina Faso.  
*S. Gies - BELGIUM*

## University Auditorium

### **Epidemiology and control of intestinal helminths**

**Chairs:** *M. Cappello - USA, J.-F. Pays - FRANCE*

**Keynote speaker:**

- Public health impact of intestinal helminth control on allergic disease.  
*P. Cooper - ECUADOR*

**Speakers:**

- Heterogeneities in human helminth infection in rural Brazil: patterns by multiple infection, household clustering and spatial variation.  
*P. Hotez - USA*

# Programme

- Novel design and statistical considerations to estimate the efficacy of a helminth vaccine in field trials in endemic region: phase 2B study for a human hookworm vaccine.  
*R. Correa-Oliveria - UK*
- Chemotherapeutic control of clonorchiasis in Heilongjiang province, China. *S. Wang - CHINA*
- Intestinal flukes mixed-infected with *Opisthorchis viverrini* among residents of Vientiane municipality and Saravane province in Laos. *K.S. Eom - KOREA*
- The school health programme in Behera: an integrated helminth control programme at governorate level in Egypt. *F. Curtale - ITALY*
- Density dependence and the control of helminth parasites. *T. Churcher - UK*

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### Respiratory disease in the tropics

#### Chairs/Keynote speaker:

- Espace mutants, reassortants and immunopathology: the challenges for the development of vaccines against emerging respiratory viruses.  
*R. Altmeyer - CHINA*
- Respiratory diseases in the tropics: overview  
*P. L'Her - GABON*

#### Speakers:

- Lung cancer in west Africa. Experience at "Hôpital principal de Dakar", Senegal. *J. Margery - FRANCE*
- Paragonimiasis: a clinical, imaging and parasitologic follow-up of 26 cases from Laos. *X. Nanthapone - LAOS*
- Vivax malaria: a neglected cause of respiratory illness.  
*G.P. Maguire - AUSTRALIA*
- Case finding of tuberculosis in patient with chronic cough. *M. Jamshidi - IRAN*
- Pulmonary tuberculosis in a national reference level hospital in Rwanda: prevalence and predictive value of disease characteristics with different standards. *M. Boelaert - BELGIUM*

## Room 92

### Gender and infectious diseases

**Chairs:** *K. De Koning - NETHERLANDS, S. Theobald - MALAWI*

#### Speakers:

- Involving district-level fieldworkers in gender-focused research: possibilities and constraints as an approach to gender mainstreaming in health.  
*R. Tolhurst - UK*
- Female genital mutilations in the tropics. Experience of two years in Djibouti. *R.C. Saby -*
- Gender analysis of perception of malaria and decision making in help seeking for malaria and fever: a case of two urban squatter settlements in Malawi. *S. Theobald - MALAWI*
- Stigma and discrimination experienced by TB patients - A gender perspective from urban Malawi.  
*L. Sanudi - MALAWI*
- Legal obligations to provide access to antiretroviral drugs in developing countries: a gender perspective.  
*C. Onyemelukwe - CANADA*
- Integrating sexual health services into reproductive health programmes: a review of programme experience from developing countries.  
*A. Martinhilber - SWITZERLAND*
- A conceptual framework for sexual health.  
*A. Martinhilber - SWITZERLAND*
- Implications for gendered responses in scaling up post-rape care and HIV post exposure prophylaxis in Kenya.  
*S. Jones - KENYA*

## Pharo Auditorium

**18:30 - 19:00**

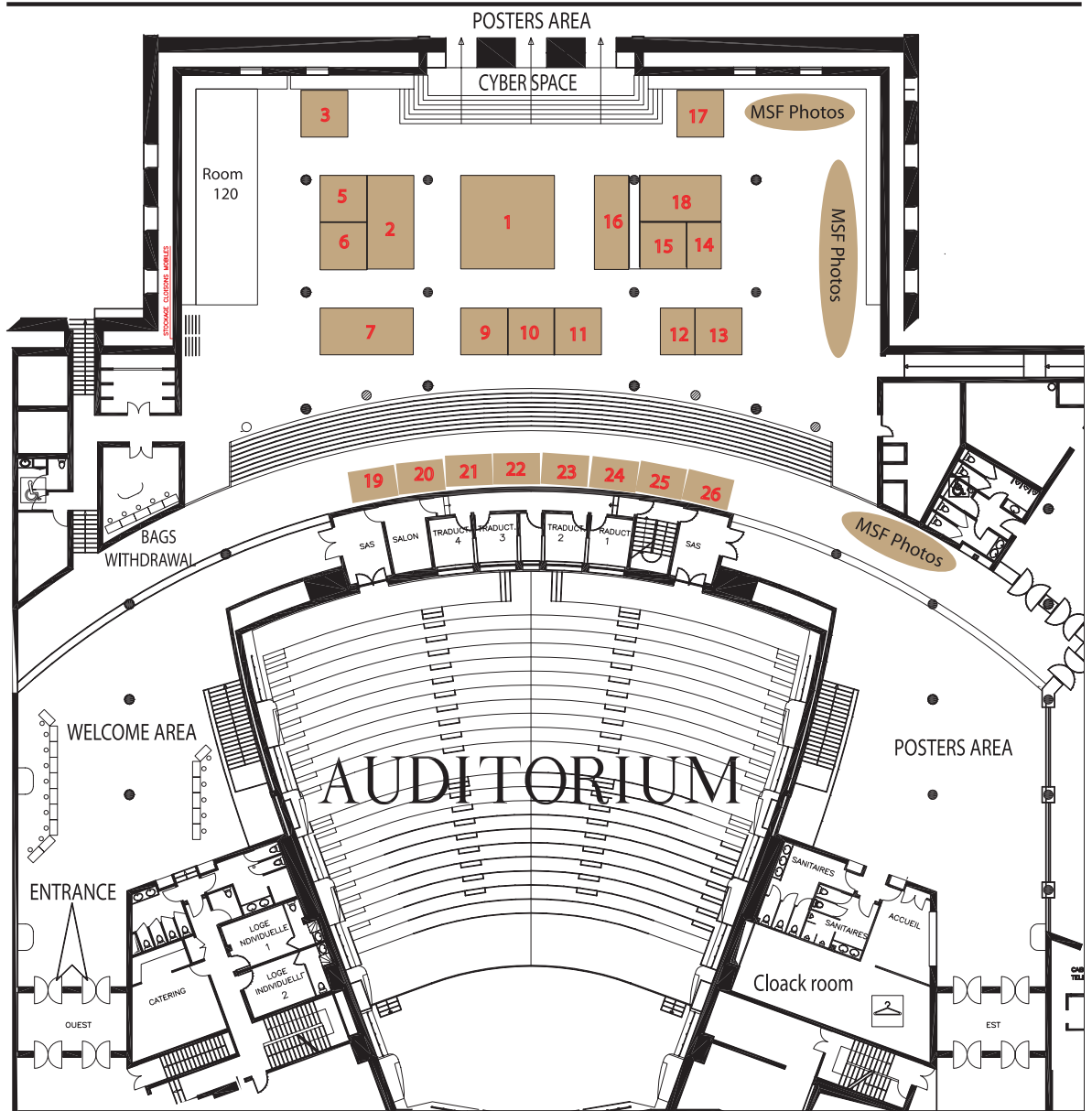
### Closing ceremony

**Conclusion et annonce de la journée du Centenaire du Pharo par le Pr Y. Buisson, Médecin Chef des Services, Directeur adjoint de l'IMTSSA.**



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Le centenaire de l'École du Pharo 1905-2005

Fondée par le Décret du 03 Octobre 1905, l'École du Service de Santé des Armées des Troupes Coloniales est implantée dans les Jardins du Pharo et le Fort d'Entrecasteaux à Marseille.

Sa mission était de « donner aux médecins et pharmaciens du corps de santé, l'instruction professionnelle spéciale, théorique et pratique, nécessaire pour remplir les obligations qui incombent au corps de santé des troupes coloniales en France et en Outre-Mer ».

Au cours du siècle dernier, l'École du Pharo en s'appuyant sur une riche expérience de terrain a été le creuset de formation de plus de 8 000 médecins et personnels de santé militaires et civils appelés à servir en zone tropicale. L'enseignement qu'elle a dispensé a été tôt orienté vers la santé publique où elle a été un précurseur. Dans la lutte contre les grandes endémies et les épidémies tropicales un grand nombre de ses médecins se sont illustrés. Ainsi, Yersin découvrit la bacille de la peste, Simond le rôle de la puce dans sa transmission, Girard et Robic le vaccin ; Jamot réveilla la race africaine grâce à ses équipes mobiles de lutte contre la trypanosomiase, Laigret mit au point le vaccin contre la fièvre jaune à Dakar, plus près de nous, Marchoux, Muraz, Richet poursuivirent leurs actions. En 1975, l'École est devenue l'Institut de Médecine Tropicale du Service de Santé des Armées.

Il dispense en collaboration étroite avec l'Université de la Méditerranée un enseignement pratique et adapté. Il mène une recherche fondamentale sur le paludisme, la dengue, les méningites, les arboviroses, les viroses émergentes tout en développant des activités de santé publique et de renseignement épidémiologique.



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- **Soir** : dîner de gala

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