

## Felipe Guhl



### Biographical data:

Born in Bogotá Colombia on 14 July 1949.

Biologist, Microbiologist , Tropical Parasitologist

Currently Emeritus Professor at Los Andes University, Faculty of Sciences, Department Biological Sciences, Bogotá.

Director of the Tropical Parasitology Research Centre, Universidad de los Andes.

Specialist on Chagas disease (vector and parasite) molecular ecoepidemiology, immunology, fossil DNA and control.

Prof. Guhl has been working in research and control of Chagas Disease and other parasitic diseases in the last 35 years. Actively involved in the Continental Initiatives for vector and transfusional control of American trypanosomiasis.

Former Manager of the Chagas Disease Task Force in the TDR/WHO Programme.

Member of the Scientific and Technical Advisory Panel for Parasitic Diseases, World Health Organization, Geneva.

Editor Acta Tropica (Elsevier).

Former President of the Colombian Parasitology and Tropical Medicine Association.

Former President of the Latinamerican Federation for Parasitology.

Former President IFTM Congress ,2000, Cartagena de Indias, Colombia.

Full Member of the Colombian and Spanish Academy of Sciences. Associated Member of the Colombian Academy of Medicine .

TWAS Fellow.

Awarded the prize “Life and Work” by the Alumni Association of Great Britain.

Awarded the National Prize for Sciences “Alejandro Angel Escobar” and the Scientific Merit National Award by the Colombian Association for the Advance in Sciences.

Keywords: Tropical Parasitology, Neglected Diseases, Molecular Biology, Control Strategies, Chagas Disease.

SIGNIFICANT PRODUCTS from 2013 Up to date :

Messenger, L., Ramirez, J.D., Llewellyn, M., Guhl, F., Miles, M. (2016) **Importation of Hybrid Human-Associated Trypanosoma cruzi strains of Southern South American Origin, Colombia.** *Emerging Infectious Diseases*. 22(8) 1452-55

Rozas Dennis G., Marti, G., Gonzalez, N.L. Guhl, F., Guerin, D. (2016). **Triatomines intrahaemocoelic inoculation protocol: a useful tool to check infectivity in insects.** *Journal of Biological Methods*. 3(2) :1-6

MartínezPerez, A., Poveda, C., Ramírez, J.D., Norman, F., Girones, N., Guhl, F., Fresno, M. et al. (2016). **Prevalence of Trypanosoma cruzi's Discrete Typing Units in a cohort of Latin American migrants in Spain.** *Acta Tropica*

Cordovez, J.M. and Guhl F. (2015). **The impact of landscape transformation on the reinfestation rates of Rhodnius prolixus in the Orinoco Region, Colombia.** *Acta Tropica*,

Ramirez, J.C., Cura, C.I., Moreira, O., LagesSilva, E., Velazquez, E., Ramirez, J.D., Alberti, A., et al. (2015). **Analytical validation of quantitative Real-Time PCR methods for quantification of Trypanosoma cruzi DNA in blood samples from Chagas disease patients.** *Journal of Molecular Diagnostics*. 17:5, 605-615

Morillo, C.A., Marín, Neto, J.A., Avezum, A., Rassi, JrA., Rosas, F., Villena, E., Quiroz, R., Britto, C., Guhl, F., Bonilla, L., Meeks, B. et al. (2015) **Randomized Trial of Benznidazole for chronic Chagas' cardiomyopathy.** *The New England Journal of Medicine*, September 1 2015:1-11

Bianchi F, Cucunuba Z, Guhl F, Gonzalez N, Freilij H, Nicholls R, Ramirez J, Montilla M, Florez A, Rosas F, Saavedra V, Silva N. (2015) **Follow-up of an Asymptomatic Chagas Disease Population of Children after Treatment with Nifurtimox (Lampit) in a Sylvatic Endemic Transmission Area of Colombia.** *PLOS NEGLECTED TROPICAL DISEASES (ISSN 1935-2735)* 9 (2), pp. Article number: e0003465 -1- Article number: e0003465 - 16.

Rendon L, Guhl F, Cordovez J, Erazo D. (2015) **New scenarios of Trypanosoma cruzi transmission in the Orinoco region of Colombia.** *Memorias do Instituto Oswaldo Cruz (ISSN 0074-0276)* 110 (3), pp. 283-288.

Poveda C, Fresno M, Gironés N, Martins O, Ramirez J, Rocca S, Marin-Nieto J. A., Morillo C, Rosas F, Guhl F. (2014) **Cytokine Profiling in Chagas Disease: Towards Understanding the Association with Infecting Trypanosoma cruzi Discrete Typing Units (A BENEFIT TRIAL Sub-Study)** . *PLoS ONE (ISSN 1932-6203)* 9 (3), pp. Article Number: e91154- Article Number: e91154.

Bhattacharyya T, Falconar A.K., Luquetti A. O., Costales J. A., Grijalva M. J., Lewis M, Messenger L, Tran T. T, Ramirez J, Guhl F, Carrasco H. J., Diosque P, Garcia L, Litvinov S. V., Miles M. (2014) **Development of Peptide-Based Lineage-Specific Serology for Chronic Chagas Disease: Geographical and Clinical Distribution of Epitope Recognition.** *PLOS NEGLECTED TROPICAL DISEASES (ISSN 1935-2735)* 8 (5), pp. e2892-e2892.

Perez-Molina J, Poveda C, Martinez Perez A, Guhl F, Monge Maillo B, Fresno M, Lopez Velez R, Ramirez J, Girones N. (2014) **Distribution of Trypanosoma cruzi discrete typing units in Bolivian migrants in Spain.** *Infection, Genetics and Evolution (ISSN 1567-1348)* 21 (-), pp. 440-442.

Zingales B, Miles M, Moraes C. B., Luquetti A. O., Guhl F, Schijman A, Ribeiro I. (2014) **Drug discovery for Chagas disease should consider Trypanosoma cruzi strain diversity .** *Memorias do Instituto Oswaldo Cruz (ISSN 0074-0276)* 109 (6), pp. 828-833.

Guhl F, Auderheide A, Ramirez J. (2014) **From ancient to contemporary molecular eco-epidemiology of Chagas disease in the Americas. .** *INTERNATIONAL JOURNAL FOR PARASITOLOGY (ISSN 0020-7519)* 44 (9), pp. 605-612.

Viotti R, Alarcon de Noya B, Araujo, J., Grijalva M. J., Guhl F, Lopez M, Ramsey J, Ribeiro I, Schijman A, Sosa S, Torrico F, Gascon J. (2014) **Towards a paradigm shift in the treatment of chronic Chagas disease .** *ANTIMICROBIAL AGENTS AND CHEMOTHERAPY (ISSN 0066-4804)* 58 (2), pp. 635-639.

Ramirez J, Tapia G, Muñoz G, Poveda C, Rendon L, Hincapie E, Guhl F. (2014) **Trypanosome species in neo-tropical bats: Biological, evolutionary and epidemiological implications.** *Infection, Genetics and Evolution (ISSN 1567-1348)* 22 (-), pp. 250-256.

Cordovez J, Rendon L, Gonzalez C, Guhl F. (2014) **Using the basic reproduction number to assess the effects of climate change in the risk of Chagas disease transmission in Colombia.** *Acta Tropica (ISSN 0001-706X)* 129 (1), pp. 74-82.

Higuera S. L., Guhl F, Ramirez J. (2013) **"Identification of Trypanosoma cruzi Discrete Typing Units (DTUs) through the implementation of a High-Resolution Melting (HRM) genotyping assay" .** *Parasites and Vectors (ISSN 1756-3305)* 6 (112), pp. Article number112-Article number112-.

Ramirez J, Tapia G, Guhl F. (2013) **Genetic structure of Trypanosoma cruzi in Colombia revealed by a High-throughput Nuclear Multilocus Sequence Typing (nMLST) approach .** *BMC Genetics (ISSN 1471-2156)* 14 (1), pp. Article number96-Article number96.

Ramirez J, Montilla M, Cucunuba Z, Floréz A. C., Zambrano P, Guhl F. (2013) **Molecular Epidemiology of Human Oral Chagas Disease Outbreaks in Colombia .** *PLoS Neglected Tropical Diseases (ISSN 1935-2727)* 7 (2), pp. e2041-e2041.

Guhl F, Ramirez J. (2013) **Paleo epidemiología molecular de la tripanosomiasis americana (Molecular paleoepidemiology of American trypanosomiasis). .** *V Reunión de la Asociación de Paleopatología en Suramérica. Paleopathology Association Meeting in South America PAMinSA-V Reunión de la Asociación de Paleopatología en Suramérica. Paleopathology Association Meeting in South America PAMinSA-V (ISSN 2346-0598)* Santa Marta, Colombia.

Guhl F, Ramirez J. (2013) **Retrospective molecular integrated epidemiology of Chagas disease in Colombia** . *Infection, Genetics and Evolution* (ISSN 1567-1348) 20 (-), pp. 148-154.

Villa L, Guhl F, Zabala D, Ramirez J, Urrea D, Hernandez D, Cucunuba Z, Montilla M, Carranza J, Rueda K, Trujillo J, Vallejo G. (2013) **The identification of two Trypanosoma cruzi I genotypes from domestic and sylvatic transmission cycles in Colombia based on a single polymerase chain reaction amplification of the spliced-leader intergenic region** . *Memorias do Instituto Oswaldo Cruz* (ISSN 0074-0276) 108 (6), pp. 1-4.

Moreira O, Ramirez J, Velasquez E, Melo M, Lima C, Guhl F, Sosa S, Marín J, Morillo C, Britto C. (2013) **Towards the establishment of a consensus real-time qPCR to monitor Trypanosoma cruzi parasitemia in patients with chronic Chagas disease cardiomyopathy: A substudy from the BENEFIT trial** . *Acta Tropica* (ISSN 0001-706X) 125 (1), pp. 23-31.

Ramirez J, Turriago B, Tapia G, Guhl F. (2013) **Understanding the role of dogs (Canis lupus familiaris) in the transmission dynamics of Trypanosoma cruzi genotypes in Colombia**. *Veterinary Parasitology* (ISSN 0304-4017) 196 (1-2), pp. 216-219.

Ramirez J, Herrera C, Bogotá Y, Duque M, Suarez A, Guhl F. (2013) **Validation of a Poisson-distributed limiting dilution assay (LDA) for a rapid and accurate resolution of multiclonal infections in natural Trypanosoma cruzi populations** . *Journal of Microbiological Methods* (ISSN 0167-7012) 92 (2), pp. 220-225