

PRINCIPAL INVESTIGATOR: Lorenza Beati

(a) PROFESSIONAL PREPARATION:

University of Lausanne, Switzerland, Federal degree in Medicine, M.D. - 1987
University of Lausanne, Switzerland, Medical Entomology - Doctor in Medicine -1990
University of Neuchâtel, Switzerland, Parasitology - DEA(postgrad. diploma) - 1985
University of Aix-Marseille II, France, Mol. and Cell Microbiology - Ph.D. 1993
University of Aix-Marseille II, France, Ticks/ rickettsiology, Post-Doc, 1993-1996

(b) APPOINTMENTS:

July 2006-present: Curator of the U.S. National Tick Collection (Institute of Arthropodology and Parasitology) and Associate Professor (Biology) Georgia Southern University, Statesboro, GA

June 2004-June 2006: Assistant Curator of the U.S. National tick Collection, Associate Research Scientist at the Institute of Arthropodology and Parasitology, GSU, Statesboro, GA; Affiliated Res. Scientist, Epidemiology and Public Health, Yale Med. School, New Haven, CT

2000-2004: Assoc. Res. Scientist, Epidemiology & Public Health, Yale Med. School, New Haven, CT

1996-1999: WHO Research Fellow, Viral and Rickettsial Zoonoses Branch, CDC, Atlanta, GA 1993-

1996: Post-Doc.Fellow, WHO Ref. Center for Rickettsioses, Marseille, France

1992-1993: Visiting Scientist, Veterinary Faculty, University of Harare, Zimbabwe

(ci) SIGNIFICANT PUBLICATIONS RELEVANT TO PROPOSAL (OUT OF 44):

1 - C. Delaye, L. Beati, A. Aeschlimann, F. Renaud, T. de Meeûs (1997). Population genetic structure of *Ixodes ricinus* in Switzerland from allozymic data: no evidence of divergence between nearby sites. *Int. J. Parasitol.* 27: 769-773.

2 - L. Beati, and J. Keirans (2001). Analysis of the systematic relationships among ticks of the genera *Rhipicephalus* and *Boophilus* based on mitochondrial 12S ribosomal DNA gene sequences and morphological characters. *J. Parasitol.* 87:32-48.

3 - G. A. Scoles, M. Papero, L. Beati, D. Fish. A novel relapsing fever group *Borrelia* transmitted by *Ixodes scapularis* ticks in the Northeastern United States. *Vector-Borne and Zoonotic Diseases*, 2001; 1: 21-34.

4 - T. de Meeûs, L. Beati, C. Delaye, A. Aeschlimann, F. Renaud (2002). Sex-biased genetic structure in the vector of Lyme disease, *Ixodes ricinus*. *Evolution* 56:1802-1807.

5 - M. Derdáková, L. Beati, B. Pet'ko, M. Stanko, D Fish (2003). Intra-specific genetic variability of *Borrelia burgdorferi* sensu lato spirochetes in *Ixodes ricinus* ticks from the Czech Republic established by PCR-SSCP analysis of the rrlB-rrfA ribosomal intergenic spacer. *Appl. Envir. Microbiol.* 69: 509-516.

(cii) OTHER PUBLICATIONS

1 - A.M. Pretorius, L. Beati, R. Birtles. (2004). The diversity of bartonellae associated with small mammals inhabiting Free State Province, South Africa. *International J. Syst. Evol. Microbiol.* 54: 1959-1967.

2 - L. Beati, A. G. Caceres, E. A. B. Galati, J. A. Lee, L. E. Munstermann (2004). Systematic relationships of *Lutzomyia* sand flies (Diptera; Psychodidae) based on the analysis of 12S and 28S ribosomal DNA sequences. *Intl. J. Parasitol.*, 34: 225-234.

3 - L. Beati, J. E. Keirans, L. A. Durden, and M. D. Opiang (2008). *Bothriocroton oudemansi* (Neumann, 1910) comb. nov. (Acari: Ixodida: Ixodidae), an ectoparasite of the long-beaked echidna in Papua New Guinea: redescription of the male and first description of the female and nymph. *Syst. Parasitol.* 69: 185-200.

4 - V.C. Onofrio, D. M. Barros-Battesti, S. Marques, J. L. H. Faccini, M.B. Labruna, L. Beati (2008)