

Curriculum vitae

Personal data

Full name: Maria Manuela Palmeiro calado

Nationality: Portuguese

Institutional address: Unidade de Ensino e Investigação de Parasitologia Médica, Medical Parasitology and Microbiology Unit (UPMM), Instituto de Higiene e Medicina Tropical (IHMT), Universidade Nova de Lisboa (UNL). R. da Junqueira 100, 1348-009 Lisboa, Portugal. Tel: 351 21 3652600; Fax: 351 21 3632105; E-mail: mcalado@ihmt.unl.pt

2. Academic degrees

2008 – PhD, Biomedical Sciences, specialization in Parasitology, Instituto de Higiene e Medicina Tropical, Universidade Nova de Lisboa.

1999 – Master degree in Medical Parasitology, Instituto de Higiene e Medicina Tropical, Universidade Nova de Lisboa.

1992 – Biology degree, Universidade de Coimbra

3. Previous and professional activities

Since 2008 - Assistant Professor of Medical Parasitology Unit, Helminthology and Malacological Group, IHMT

2001-2008 – Assistant of Medical Helminthology and Malacology Unit, Instituto de Higiene e Medicina Tropical.

1997-2001 – Invited Assistant of Helminthology and Malacology Unit.

4. Area of scientific activity

Present scientific activity are Parasitology, Malacology, Bioecology of intermediate host-snails and schistosomiasis infection, re-emerging diseases; ecology, *E. granulosus*; Molecular Epidemiology, molecular characterization,

genetic variability and geographic distribution of intermediate hosts in Portugal. Application of molecular biology techniques in Malacology.

5. Other activities

Teaching in Pós-graduated and Master's courses in Medical Parasitology and Biomedicine Science.

• Adviser in master Thesis :

- Bruno Conchinha. "A Fauna Malacológica do Alqueva: Uma nova abordagem face as alterações climáticas". 2016.
- Hélder Fernandes, "Bioensaio de extratos vegetais em *Biomphalaria glabrata* exposta a *Schistosoma mansoni*", 2014
- Tânia Raquel Martins dos Santos. "Análise filogenética e genótipica de isolados portugueses de *Fasciola hepatica*". Phylogenetic and Phyllogeographic analyses by *Fasciola hepatica* from Portugal. 2013
- Débora Santos Correia – "Contributo para o estudo de moluscos de água doce potenciais hospedeiros intermediários de trematodes, Contribution to the study of freshwater snails as potential intermediate hosts of trematodes", 2010.
- Maria Teresa de Azevedo Figueiredo Nunes Lobo. -"Contribuição para o estudo das parasitoses em Portugal: helmintas intestinais em crianças escolares do concelho de Palmela, Contribution to the study of parasitic infections in Portugal: intestinal helminths in school children in the municipality of Palmela", 2010.

Co-adviser in master thesis:

- Silvia Beato. -" Contribution for the molecular characterization of Echinococcus granulosus from Portugal"2009
- Lisa Martins - " Genetic analysis two strain of Biomphalaria glabrata in period pre and post exposition to Schistosoma mansoni miracidia|
- Sylvania Leal. - "A molecular tools for detecting Schistosoma mansoni in Biomphalaria glabrata from prepatent period"
- Angela Velez. -"Molecular characterisation of Bulinus globosus from Angola"
- Ana Rita Pinheiro de Sousa Figueira. -" Análise por RAPD-PCR de genes envolvidos na resistência ao Praziquantel em Schistosoma mansoni. RAPD-PCR analysis of genes involved in resistance to Praziquantel on Schistosoma mansoni".
- Idalécia Laurinda Carlos Cossa Moiane: Análise genética por RAPD de estipes de Schistosoma mansoni com diferente susceptibilidade à infecção no hospedeiro definitivo. Genetic analysis by RAPD of different isolates of Schistosoma mansoni with different susceptibility to infection in definitive host.

6. Participation in research projects

6.1. Co-Researcher:

- "Effects of global warming on potencial intermediate hosts and vectors of parasites causing disease in man and his livestock in Portugal". POCTI/ESP/42532/2001
- "Climatic environmental factores affecting the populations dynamics of Lymnaea truncatula and transmission of fasciola hepatica in Portugal". PTDC/SAU-SAP/113523/2009.
- "Ecoepidemiology of Dirofilaria spp: molecular characterization, potential vectors and transmission dynamics" PTDC/SAU-SAP/113523/2009.
- Participation in "Project Life Cience" in school as member of team.
- Other projects to helping the community.

7. Publications

- Bravo-Barriga D, Parreira R, Almeida APG, **Calado M**, Blanco-Ciudad J, Serrano-Aguilera FJ, Pérez-Martín JE, Sánchez-Peinado J, Pinto J, Reina D, Frontera E .(2016). *Culex pipiens* as a potential vector for transmission of *Dirofilaria immitis* and other unclassified Filarioidea in Southwest Spain ,*Veterinary Parasitology*, 223: 173-180
- De Pinho Mixão V, Mendes AM, Maurício IL, **Calado MM**, Novo MT, Belo S, Almeida APG. (2016.). Molecular detection of *Wolbachia pipientis* in natural populations of mosquito vectors of *Dirofilaria immitis* from continental Portugal: first detection in *Culex theileri* *Medical and Veterinary Entomology*, 30: 301-309
- Ferreira C, Mixão V, Novo T, **Calado M**, Gonçalves L, **Belo S**, Almeida AP (2015). First molecular identification of mosquito vectors of *Dirofilaria immitis* in continental Portugal. *Parasites & Vectors*, 8:139 DOI: 10.1186/s13071-015-0760-2
- Cossa-Moiane, I.L., Mendes, T., Ferreira, P.M., Maurício, I., calado, M., Afonso, A. & Belo, S., 2014. The role of the immunological background of mice in the genetic variability of *Schistosoma mansoni* as detected by random amplification of polymorphic DNA. *Journal of Helminthology*, 1-6
- Landum, M., Ferreira, C., Calado, M., Alho, A.M., Mauricio, I., Meireles, J.S., Madeira de Carvalho, L., Cunha, C. & Belo, S., 2014. Detection of *Wolbachia* in *Dirofilaria* infected dogs in Portugal. *Veterinary Parasitology*, <http://dx.doi.org/10.1016/j.vetpar.2014.05.027>.
- Afonso, A., Mendes, T., Figueira, A.R. Santos, R., Clemente, I., Calado, M., Mauricio, I., Ferreira, P.M., Ferreira, C.C., Grácio, A.A. & Belo, S. 2011. Immunological and genetical analysis of combined therapy with artemisinin-praziquantel in *Schistosoma mansoni* in vivo. *Tropical Medicine & International Health*, 16 (Suppl 1). 69.

- Afonso, A., Mendes, T., Figueira, A.R. Santos, R., Clemente, I., Calado, M., Mauricio, I., Ferreira, P.M., Ferreira, C.C., Grácio, A.A., Belo, S., 2011. Randomly amplified polymorphic DNA (RAPD) polymerase chain reaction assay for comparison of *Schistosoma mansoni* strains sensitive and resistant to praziquantel. *Tropical Medicine & International Health*, 16 (Suppl1). 208.
- Afonso, A. Pinto, S. Belo, I. Clemente, M. Calado & A.A. Grácio, Production and characterization of antigens of *Fasciola gigantica* and its evaluation in the immunodiagnostic of human fascioliasis (Cape Verde), 2011. *Tropical Medicine & International Health*, 16 (Suppl1). 208.
- Afonso, P.M., Ferreira, C.C. Ferreira, M. Calado, M.A. Grácio, I. Mauricio, A. Brehm, R. Parreira and S. Belo, 2011. Fascioliasis on Madeira Island: Snail's intermediate hosts. *Tropical Medicine & International Health*, 16 (Suppl1). 208-209.
- Afonso, P.M., Ferreira, C.C. Ferreira, M. Calado, M.A. Grácio, I. Mauricio, A. Brehm, R. Parreira and S. Belo, 2011. Molecular characterization of the first record of *Lymnaea natalensis*, Krauss 1848 (Mollusca, Pulmonata, Lymnaeidae) on Madeira Island, *Tropical Medicine & International Health*, 16 (Suppl1). 209.
- Calado, M., Correia, D., Afonso, A., Ferreira, P., Ferreira, C., Pinto, A., Maurício, I., Beato, S. & Grácio, M. A.. 2011. Molecular analysis applied to mitochondrial DNA from the family Planorbidae (Pulmonata: Basommatophora) snails, potential intermediate hosts of trematodes.. *Clinical Microbiology and Infection*, 17 (Supl s4): S218.
- Beato, S., Parreira, R., Calado, M., & Gracio, M.A.A., 2010. Apparent dominance of the G1-G3 cluster of *Echinococcus garnulosus* strains in the central inland region of Portugal. *Parasitology International*, 59: 638-642
- M.M. Calado & M.A.A. Grácio, 2007. Infecção Experimental de *Planorbarius metidjensis* (Forbes, 1838 de Portugal por *Schistosoma mansoni* (Sambom, 1907), *Acta Parasitológica* 14 (1/2): 27-30.
- Ferreira, P.M., Calado, M.M., Ferreira, C.C., Guimarães, H & Grácio, M.A.A.,2006. Estudo dos moluscos de água doce de Portugal entre Janeiro e Julho de 2006. *Acta Parasitologia Portuguesa* 13(1/2); 23-25.