

CURRICULUM VITAE



I - Personal data

Silvana Maria Duarte Belo
Assistant professor, Medical Parasitology Unit
Medical Helminthology and Malacology Group
Global Health and Tropical Medicine
Instituto de Higiene e Medicina Tropical (IHMT)
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II – Academic qualifications

PhD in Biomedical Sciences, specialisation in Medical Parasitology, IHMT-UNL, 2000.
Master degree in Medical Parasitology, IHMT-UNL, 1990.
Post graduation in Tropical Medicine and Public Health, IHMT-UNL, 1984.
Post graduation in Clinical Pathology, Hospital de Egas Moniz, Ministry of Health, Portugal, 1980.
Degree in Pharmacy, Faculty of Pharmacy, University of Coimbra, Portugal, 1978.

III – Professional activities

Professor of Medical Helminthology, IHMT-UNL since 2000.
Assistant of Medical Parasitology, IHMT-UNL, 1990-2000.
Probatory Assistant, Medical Parasitology, IHMT-UNL, 1986-1990.
Technical Consultant, Pharmaceutical department and National Institute of Public Health, Ministry of Health, Guinea-Bissau, 1980-1983.

IV - Institutional activities (elected)

Member of the Scientific Board, IHMT, since 2014.
Member of General Board, IHMT, since 2014.
Director of Medical Parasitology Unit, IHMT, 2011-2013.
Member of the Scientific Commission of Master Course in Medical Parasitology since 2011.
Head of the Laboratory of Immunodiagnostic of Medical Helminthology since 2010.
Head of Medical Helminthology and Malacology Group since 2010.

V - Teaching activities

Coordinator and teacher of Medical Helminthology *curricula* in the post graduate courses:

- PhD in Biomedical Sciences, IHMT-UNL.
- PhD in Tropical Medicine and Global Health, IHMT-UNL.
- Master courses in Medical Parasitology, Biomedical Sciences and Tropical Health, IHMT-UNL.
- Diagnostic methods in helminthic diseases, IHMT-UNL.
- TropikMan PhD - Tropical Knowledge and Management PhD, Instituto de Investigação Científica Tropical, IICT, Lisbon, Portugal.
- Master in Molecular Genetics and Biomedicine, Faculty of Science and Technology, UNL.
- Master in Clinical Pathology, Faculty of Pharmacy, University of Lisbon.
- Cooperation activities: teaching and research in parasitic diseases (Angola, Guinea-Bissau, S. Tomé & Príncipe).

VI - Courses and Conferences presentations- *Invited Speaker*

1. 3rd Seminar on Environment and Health (III SIRSA). Aracajú, Sergipe, Brazil, 2016. "Integrated control approaches in parasitic diseases".
2. Workshop. *Tropical and cosmopolitan zoonosis*. Prospects for surveillance and prevention measures in Portugal. Évora, 2016.
3. II International Symposium of Preventive Veterinary Medicine. Jaboticabal, S. Paulo, Brasil, 2015. "Zoonotic Filariasis".
4. Workshop. *Safe Water: global access, quality and microbiology*, Lisbon 2014. "Schistosomiasis: waterborne transmission, public health consequences". CMDT, FCT.
5. Workshop. *Emerging diseases: epidemiological threats of Neglected Tropical Diseases in the within Transfusion Medicine and Transplant*, Lisbon, 2014. "Lymphatic filariasis and transfusion risks". Portuguese Institute of Blood and Transplant.
6. ESCMID Course – "Lecture: Fascioliasis: Diagnosis and treatment". *Technical Workshop for Basic and Clinical Parasitology*, Porto 2013. European Society of Clinical Microbiology and Infectious Diseases. www.escmid.org
7. Conferences CTA/ICAAM 2011. "Climatic and environmental changes: epidemiological impact on snailborne diseases". *Cycle Preventive medicine and public health*] Évora, Portugal. www.icam.uevora.pt

VII - Supervision/co-supervision of PhD and MSc thesis (20 concluded)

PhD thesis

1. João Tiago Serra – Morbidity-associated to *Schistosoma haematobium* and intestinal parasitic infections in adult population in Mozambique. (2017-2020). *In progress*
2. Ilda Jeremias – Molecular approach for *Schistosoma haematobium* and *S. mansoni* diagnosis and genetic variability analysis in Angola. PhD in Biomedical Sciences, Parasitology. Grant Calouste Gulbenkian Foundation. *Submitted, waiting visa.*

3. Ana Margarida Alho - *Angiostrongylus vasorum* and *Dirofilaria immitis*: Co-interaction and Public Health Impact as major canine heartworms in Portugal. Faculty of Veterinary Medicine-UTL. FCT grant (2013-2016). Approved.
4. Olga Amiel – Lymphatic filariasis and schistosomiasis in Mozambique. IHMT-UNL. Grant Calouste Gulbenkian Foundation (2012-2015). *In progress*.
5. Jacinta Figueiredo – Urinary Tract lesions due to *Schistosoma haematobium* as risk factor for chronic urogenital diseases in adults, Angola. IHMT-UNL. FCT grant (2011-2014). Approved.

MSc Thesis

1. Cristiana Filipa Peixoto. Anthelmintic activity of Chalcone and Curcumin compounds against *Toxocara* sp. MSc in Medical Parasitology (2015-2017). IHMT/UNL. *In progress*.
2. Mariquinhas Domingos. Genetic diversity and population structure of *Dirofilaria immitis* nematoda in Portugal using microsatellite analysis. MSc in Medical Parasitology (2015-2017). IHMT/UNL. Approved.
3. Célio Alfredo. Assessment of post therapeutic control against schistosomiasis and intestinal parasitosis in Zambézia Province, Mozambique] MSc in Medical Parasitology (2014-2016). IHMT/UNL. 2016. Approved.
4. Ana Pacheco. Immunoinflammatory response in co-infection *Dirofilaria-Wolbachia*. MSc in Biomedical Sciences (2013-2015), IHMT/UNL. 2016. Approved
5. Tiago Mendes. Evaluating the role of efflux pumps on praziquantel pharmacoresistance in *Schistosoma mansoni*. MSc in Medical Parasitology (2012-2014). IHMT/UNL. 2014. Approved.
6. Joana Lemos. Prevalence and distribution of canine dirofilariasis and leishmaniasis co-infection in Portugal. MSc in Medical Parasitology (2012-2014). IHMT/UNL. 2015. Approved.
7. Miguel Landum – Canine *Dirofilaria* spp infection in central Portugal. IHMT-UNL. XI MSc in Medical Parasitology. (2010-2012). 2013. Approved.
8. Cláudio André Martins Roque – Preliminary estimate on prevalence and distribution of helminthic coinfections in slaughtered animals. IHMT-UNL. MSc in Biomedical Sciences, 2010-2012. 2013. Approved.
9. Cláudia Pen – Experimental study of Nurse Cell angiogenesis activity in *Trichinella spiralis*. IHMT-UNL. MSc in Biomedical Sciences, 2009-2011. Approved.
10. António Almeida – Production and characterization of *Fasciola gigantica* antigens and their evaluation in the immunodiagnosis of human fascioliasis in Cap-Vert. IHMT-UNL. MSc in Medical Parasitology, 2009-2011. Approved.
11. Eduardo Cunha Neto - Study of soil-transmitted helminthes in public playgrounds in Plano Piloto, Brasilia, Brazil. IHMT-UNL. MSc in Medical Parasitology, 2009-2011. Approved.
12. Patrícia Marques. Evaluation of humoral response in *Trichinella spiralis* infection in rodent model. MSc in Biomedical Sciences. IHMT-UNL. 2009.
13. Jacinta Figueiredo. Epidemiology and morbidity of vesical schistosomiasis in adults, Angola. Provinces of Luanda, Bengo and Kwanza Sul. MSc in Medical Parasitology. IHMT-UNL. 2006-2008. Approved.
14. Ilda Jeremias. Impact of helminthic infections on iron-deficiency anaemia in Angolan women of reproductive age. IHMT-UNL. 2004-2006. Approved.

15. Odette Gimi. Study of zoonotic helminthiasis in Angola: provinces of Cabinda and Huíla. IHMT-UNL. MSc in Medical Parasitology, 2004-2006. Approved.
16. Baptista Dumba. Epidemiological study of schistosomiasis and intestinal helminthiasis in Central Plateau, Angola – Huambo and Bié provinces. MSc in Medical Parasitology, 2004-2006. Approved.

VIII - Academic examiner

Doctoral degree

1. Filipa Santana Ferreira. Molecular epidemiological profile of *Giardia duodenalis* associated to nutritional status, diarrhoea and VIH of children aged 0-59 months at the “Hospital Central de Nampula”, Mozambique. PhD in Biomedical Sciences, IHMT-UNL, 2017.
2. António Pinto de Almeida. Praziquantel-resistance in *Schistosoma mansoni*: role of efflux pumps, phenotypic characteristics and proteomics analysis. PhD in Basic and Applied Biology, Instituto de Ciências Biomédicas Abel Salazar, Universidade do Porto. 2016.
3. Sílvia Filipa Alves Beato Salvador. Study on genetic characterization of *Echinococcus granulosus* Portuguese strains. PhD in Biomedical Sciences, IHMT-UNL. 2016
4. Júlio Henrique Livramento dos Santos. Biopathology of bladder carcinoma associated to *Schistosoma haematobium* infection. PhD in Medical Sciences. Instituto de Ciências Biomédicas Abel Salazar, Universidade do Porto. 2015.
5. Catarina Manuela Almeida Coelho. Prevalence of *Trichinella* spp, *Toxoplasma gondii* and *Sarcocystis* spp infections in hunted wild boars (*Sus scrofa*) in Trás-os-Montes. PhD in Animal Science. Universidade de Trás-os-Montes e Alto Douro, Vila-Real. 2015.
6. Teresa Susana Letra Mateus. Echinococcosis-hydatidosis in domestic and wild animals in Portugal. Epidemiological and genotype characterisation. PhD in Veterinary Sciences. Instituto de Ciências Biomédicas Abel Salazar, Universidade do Porto. 2015.
7. Pedro Ferreira. *Lymnae truncatula* in Portugal: bioecology and genetic studies. PhD in Biomedical Sciences. IHMT-UNL. 2013.
8. Maria José Rebelo. Study of human brucellosis and contribution for reducing incidence in Santarém District. PhD in Public Health and Preventive Medicine. Universidad de Leon, Spain. 2010.
9. External Reviewer. Naima Abattouy. Prevalence and risk factors of Anisakiasis in the region of North of Morocco. PhD in Parasitology. University of Granada. 2011.

Master degree

10. Mariquinhas António Domingos. Genetic diversity and population structure of *Dirofilaria immitis* nematoda in Portugal using microsatellite analysis. MSc in Medical Parasitology (2015-2017). IHMT/UNL. 2017
11. Geraldina Manjate. Activity of human macrophages when exposed to visceral and cutaneous species of *Leishmania* spp. MSc in Medical Parasitology, IHMT/UNL. 2017.
12. Mbueno Nzila. Prevalence of urogenital Schistosomiasis in Mbanza Congo communities, Zaire province, Angola. Master in Public Health, IHMT, UNL. 2017.
13. Célio Alfredo. Assessment of post therapeutic control against schistosomiasis and intestinal parasitosis in Zambézia Province, Mozambique. MSc in Medical Parasitology (2014-2016). IHMT/UNL. 2017

14. Ana Pacheco. Immunoinflammatory response in co-infection *Dirofilaria-Wolbachia* in dogs. MSc in Biomedical Sciences (2013-2015). IHMT/UNL 2016.
15. Cláudio Roque. Preliminary estimate on prevalence and distribution of helminthic co infections in slaughtered animals. MSc in Biomedical Sciences. IHMT-UNL.
16. Miguel Landum. Canine *Dirofilaria* spp infection in central Portugal. IHMT-UNL. MSc in Medical Parasitology, 2012.
17. António Almeida – Production and characterization of *Fasciola gigantica* antigens and their evaluation in the immunodiagnostic of human fascioliasis in Cap-Vert. MSc in Medical Parasitology, IHMT-UNL 2011.
18. Eduardo Cunha Neto. Study of soil-transmitted helminthes in public playgrounds in Brasília, Brazil. IHMT-UNL. MSc in Medical Parasitology. IHMT-UNL. 2011
19. Sheila Cardoso. Urinary schistosomiasis and intestinal helminthiasis: evaluation of clinical, epidemiological and humoral immune response in residents of the Bengo province, Angola. MSc in Medical Parasitology. 2010
20. Patrícia Marques. Evaluation of humoral response in *Trichinella spiralis* infection in rodent model. MSc in Biomedical Sciences. IHMT-UNL. 2009
21. Jacinta Figueiredo. Epidemiology and morbidity of vesical schistosomiasis in adults, Angola. Provinces of Luanda, Bengo and Kwanza Sul. MSc in Medical Parasitology. IHMT-UNL. 2009
22. Ilda Jeremias. Impact of helminthic infections on iron-deficiency anaemia in Angolan women of reproductive age. IHMT-UNL. 2007.

IX – Research interests

Research field - Medical Parasitology - Helminthology

Research lines: Imunoepidemiology, diagnosis, anthelmintic natural compounds; integrated control

Main diseases: Schistosomiasis, soil-transmitted helminthes, filariasis, zoonosis.

X - Research Networks

- Member of CYSTINET COST Action TD1302 European Network on Taeniosis/Cysticercosis
- Member of I&D center Global Health and Tropical Medicine, Fundação para a Ciência e Tecnologia (FCT).
- Member of the network on Medicinal Plants of the CPLP (Community of Portuguese Speaking Countries).

XI - Research projects

- **As Principal Investigator** – Ecoepidemiology of *Dirofilaria* spp: molecular characterization, potential vectors and transmission dynamics. Funding by FCT (PTDC/SAU-SAP/113523/2009). 138.836,00 €. 2011-2014.
- **As Team member**
 1. Climatic/Environmental affecting the population dynamics of *Lymnaea truncatula* and transmission of *Fasciola hepatica* in Portugal (POCI/CLI/57597/2004).

2. Baseline survey for helminth control in school-age children in Angola. MoH, MoEd, FAO, WHO, UNICEF. 2005
3. Schistosomiasis and Intestinal parasitosis in the Republic of S. Tomé & Príncipe. UPM/CT. 2001-2003
4. Schistosomiasis in Guinea-Bissau. Funding by European Commission (TS2-0205/STD). 1989-1993

XII – Publications

Books - Chapter

2014 - Belo, S. TREMATODES. In *Microbiologia Médica*, Part VII, Chap. 77:482-495. Ed. Lidel.

Articles (last 5 years)

1. Alho AM, Meireles J, Schnyder M, Cardoso L, **Belo S**, Deplazes P, Madeira de Carvalho L (2018). *Dirofilaria immitis* and *Angiostrongylus vasorum*: the current situation of two major canine heartworms in Portugal. *Veterinary Parasitology*, 252:120-126. <https://doi.org/10.1016/j.vetpar.2018.01.008>
2. Baptista-Fernandes T, Rodrigues M, Castro I, Paixão P, Pinto-Marques P, Roque L, **Belo S**, Ferreira PM, Mansinho K, Toscano C (2017). Human gastric hyperinfection by *Anisakis simplex*: A severe and unusual presentation and a brief review. *International Journal of Infectious Diseases* 64:38-41. DOI: <http://dx.doi.org/10.1016/j.ijid.2017.08.012>
3. Ferreira C, Afonso A, Calado M, Maurício I, Alho AM, Meireles J, Madeira de Carvalho L, **Belo S** (2017). Molecular characterization of *Dirofilaria* spp. circulating in Portugal. *Parasites & Vectors*, 10:250. doi: 10.1186/s13071-017-2180-y
4. de Paula Aguiar D, Brunetto Moreira Moscardini M, Rezende Morais E, Graciano de Paula R, Ferreira PM, Afonso A, **Belo S**, Tomie Ouchida A, Curti C, Cunha WR, Rodrigues V, Magalhães LG (2016). Curcumin Generates Oxidative Stress and Induces Apoptosis in Adult *Schistosoma mansoni* Worms. *PLoS One*; 22;11(11):e0167135. doi: 10.1371/journal.pone.0167135. eCollection 2016.
5. Mixão V, Mendes AM, Maurício IL, Calado MM, Novo, MT, **Belo S**, Almeida PG (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.
6. Pinto-Almeida A, Mendes T, Nunes de Oliveira R, Corrêa, SAP, Allegretti S, **Belo S**, Tomás A, Anibal FF, Carrilho E and Afonso A (2016). Morphological Characteristics of *Schistosoma mansoni* PZQ-Resistant and -Susceptible Strains Are Different in Presence of Praziquantel. *Frontiers in Microbiology.*, 26 (7): 594 <http://dx.doi.org/10.3389/fmicb.2016.00594>
7. Vieira S, **Belo S**, Hänscheid T (2016). Ziehl-Neelsen in Schistosomiasis: much more than staining the shell and species identification. *The American Journal of Tropical Medicine and Hygiene* 94 (4):699-700. <http://www.ajtmh.org/content/94/4>
8. Alho AM, Schnyder M, Schaper R, Meireles J, **Belo S**, Deplazes P, Madeira de Carvalho L (2016) Seroprevalence of circulating *Angiostrongylus vasorum* antigen and parasite-specific antibodies in dogs from Portugal. *Parasitology Research*, 115(7):2567-72. doi: 10.1007/s00436-016-5001-x.

9. Pinto-Almeida A, Mendes T, Armada A, **Belo S**, Carrilho E, Viveiros M, Afonso A (2015). The Role of Efflux Pumps in *Schistosoma mansoni* Praziquantel Resistant Phenotype. *PLoS ONE* 10(10): e0140147. doi:10.1371/journal.pone.0140147.
10. Baptista-Fernandes T, Rodrigues M, Domingues D, Monteiro L, Paixão P, Pereira P, Tavares R, Maurício I, **Belo S**, Toscano C. (2015). Dirofilariasis by *Dirofilaria repens*: the first clinical case diagnosed in Portugal and a brief review. *Parasitology International*. 64: 261–263. <http://dx.doi.org/10.1016/j.parint.2015.03.001>
11. 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
12. Figueiredo J, Nilo B, Balaca M, Costa A, Richter J, **Belo S**, Grácio MA (2014). Prostate adenocarcinoma associated with prostatic infection due to *Schistosoma haematobium*. Case report and systematic review. *Parasitology Research*. DOI 10.1007/s00436-014-4250-9
13. Cossa-Moiane IL, Mendes T, Ferreira PM, Mauricio 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.doi:10.1017/S0022149X14000492
14. Landum M, Ferreira CC, Calado M, Alho AM, Maurício IL, Meireles JS, de Carvalho LM, Cunha C, **Belo S** (2014). Detection of *Wolbachia* in *Dirofilaria* infected dogs in Portugal. *Veterinary Parasitology*, 204(3-4):407-10. doi: 10.1016/j.vetpar.
15. Alho AM, Landum M, Ferreira C, Meireles J, Gonçalves L, Madeira de Carvalho L, **Belo S** (2014). Prevalence and seasonal variations of canine Dirofilariasis in Portugal. *Veterinary Parasitology*. 206(1-2):99-105. <http://dx.doi.org/10.1016/j.vetpar.2014.08.014>
16. Marques A, Rodrigues A, **Belo S**, Guedes ME (2014). Unusual panuveitis in a child: toxocariasis associated with ocular myiasis. *BMJ Case Rep*. doi:10.1136/bcr-2014-204475
17. Figueiredo J, Santos A, Clemente H, Lourenço A, Costa S, Maria Amélia Grácio MAA, **Belo S** (2014). [Schistosomiasis and Acute Appendicitis]. *Acta Med Port*;27 (3):396-399.
18. Figueiredo J, Richter J, **Belo S**, Grácio MAA (2013). Urogenital schistosomiasis presenting genital and urinary tract lesions and abdominal discomfort in a sterile Angolan woman. *J Genit Syst Disor*, 2:3 doi: 10.4172/2325-9728.1000115

Other publications

1. Barros M, Epesse S, Van Dunen J, Costa MC, **Belo S** (2015). Intestinal Parasites and Nutritional Status in Children under 14 years of age at the Paediatric Hospital David Bernardino in Luanda, Angola. *Biomed Biopharm Res*; 12 (2):185-194
2. Alho AM, Meireles J, **Belo S**, Madeira de Carvalho L. (2014). [Canine and feline dirofilariasis, a parasite in evolution (I) – Aetiology, Biology and Epidemiology]. *Revista Clínica Animal*, 2 (2):20-25. http://www.cienciaevida.pt/revistas/CLINICA_ANIMAL/Clinica_Animal_2-2014/index.html#/20
3. Alho AM, Meireles J, **Belo S**, Madeira de Carvalho L. (2014). [Canine and feline dirofilariasis, a parasite in evolution (II) – Fisiopathology, Diagnosis and therapeutic]. *Revista Clínica Animal*, 3(2):26-32 http://www.cienciaevida.pt/revistas/CLINICA_ANIMAL/Clinica_Animal_3-2014/index.html#/26

4. Afonso A, Mauricio I, Calado M, **Belo S** (2013). [Major neglected helminthiasis – past, present and future]. *An Inst Hig Med Trop*, 11:44-48.
5. Gonçalves L, Subtil A, Brites N, Oliveira MR, Alho AM, Maurício I, Meireles J, Carvalho LMM, Cunha C, **Belo, S** (2012). Bayesian Latent Class Models in Veterinary and Human Epidemiology. 8 pages:
<http://meetings.sis-statistica.org/index.php/sm/sm2012/paper/view/2358/214>.
6. Marques P., **Belo S.**, Clemente I. & Grácio M.A.A. (2010). [Evaluation of *Trichinella spiralis* antigens by ELISA and Western-Blot methods to detect IgG antibodies in rodents]. *Acta Parasitol. Port.*, 15 (1/2): 33-37.
7. **Belo S**, Rompão H, Costa e Sousa B, Gonçalves L., Ramajo V, Oleaga A, Grácio MAA (2009). Diagnostic potential of IGg4/ELISA in schistosomiasis intercalatum infection: a Bayesian modelling approach. *Trop Med Int Health*, 14 (suppl 2): 193.
8. WHO (2006). Schistosomiasis and soil transmitted helminths country profile. Angola. https://www.who.int/entity/wormcontrol/databankAngola_ncp2.pdf
9. **Belo S**, Branco AC, Grácio MAA, Gonçalves L, Garção F, Santos Rosa, MA (2006). Immune response to *Schistosoma haematobium*: evaluation of total and specific anti-schistosome IgE antibodies before and after chemotherapy. *Acta Parasitol Port.* 13:9-14.
10. **Belo S**, Rompão H, Gonçalves L and Grácio M AA (2005). Prevalence, behavioural and social factors associated with *Schistosoma intercalatum* and geohelminth infections in São Tomé & Príncipe. *Parassitologia*, 47 (2): 227-231.

Presentations in international scientific meetings (last 3 years)

Oral communications

1. Alho AM, Vilhena H, Oliveira AC, Granada S, Lopes AP, **Belo S**, Madeira de Carvalho LM, Cardoso L. (2016). In search of *Dirofilaria immitis* in domestic dogs from Luanda. *Fifth European Dirofilaria and Angiostrongylus Days (FiEDAD)*, 11-13 July, University of Veterinary Medicine, Vienna, Austria. *Parasite & Vectors*, 10 (Supll 1): A17
2. Alho AM, Cortes H, Lopes AP, Vila-Viçosa MJ, Cardoso L, **Belo S**, Madeira de Carvalho L. (2016) Detection of *Dirofilaria immitis* antigen in red foxes (*Vulpes vulpes*) from Portugal. *Fifth European Dirofilaria and Angiostrongylus Days (FiEDAD)*, 11-13 July, University of Veterinary Medicine, Vienna, Austria. *Parasite & Vectors*, 10 (Supll 1): A16.
3. Alho AM, Reis Pereira C, Félix LB, Meireles J, **Belo S**, Madeira de Carvalho L. (2016). Canine vector borne diseases in shelters from the border regions of mainland Portugal. *3rd Conference on Neglected Vectors and Vector-Borne Diseases (EurNegVec)*, 24-26 May, Zaragoza, Spain. Abstract book pp 2-3.
4. Alho AM, **Belo S**, Deplazes P, Madeira de Carvalho L. (2016). Ecoepidemiology of *Dirofilaria* spp. and *Angiostrongylus vasorum* in Portugal. *European Veterinary Parasitology College Residents' Forum*, 24 Jun, Bari, Italy.
5. Almeida AP, Ferreira C; Mixão V; Novo T; Calado M; Gonçalves L; **Belo S**; (2015). First molecular identification of mosquito vectors of *Dirofilaria immitis* in continental Portugal. *7th European Mosquito Control Association. Workshop (EMCA 2015)*. Valencia (Spain), 23-26 February 2015.(OP 5.7)

6. Coelho C, Ferreira P, **Belo S**, Nóbrega C, Vieira-Pinto M (2015). *Taenia hydatigena* larvae forms in wild boar hunted in Portugal. *IX International Symposium on wild fauna*, Košice (Slovakia) 15 - 19 September, 2015.
7. Mendes T, Pinto-Almeida A, Armada A, Viveiros M, **Belo S**, Afonso A (2014). Evaluating the role of efflux pumps on praziquantel pharmacoresistance in *Schistosoma mansoni*. VII Congresso da Sociedade Paulista de Parasitologia, 14-16 novembro. Paulo, Brazil.
8. AM Alho, M Schnyder, J Meireles, **S Belo**, P Deplazes, L Madeira de Carvalho (2014). Preliminary results on the seroprevalence of *Angiostrongylus vasorum* and co-infection with *Dirofilaria immitis* in shelter dogs from Portugal. *Parasites & Vectors* 2014, 7(Suppl 1):O26 <http://www.parasitesandvectors.com/content/7/S1/O26>
9. AM Alho, T Nunes, L Rinaldi, J Meireles, **S Belo**, P Deplazes, L Madeira de Carvalho (2014). Transmission risk of Dirofilariosis in Portugal. *Parasites & Vectors* 2014, 7 (Suppl 1):O16 <http://www.parasitesandvectors.com/content/7/S1/O1>
10. Figueiredo J, Videira M, Guilherme M, Grácio MA, Richter J & **Belo S**. (2013). Urinary Tract Morbidity due to *S. haematobium* in Patients attending Américo Boavida Hospital, Luanda, Angola. *8th Eur Cong Trop Med Int Health*, 10-13 setembro, Copenhagen, Denmark. (PO)<http://onlinelibrary.wiley.com/doi/10.1111/tmi.12163/pdf> P.1.4.5.010 (B)
11. Figueiredo, J., Videira, M., Guilherme, M., Grácio, M.A., & **Belo. S.**, (2013). Co morbidade urogenital associada a infeção crónica por *Schistosoma haematobium* em Angola. XXXIV Congresso Brasileiro de Urologia, 16-20 novembro, Natal Brasil: Abstract nº 859 Anais da revista Brasileira de Urologia.
12. Jeremias I, Afonso A, Grácio MAA, **Belo S**. (2013). Genetic variability among *S. haematobium* and *S. mansoni* isolates from patients in Angola. *18^o Cong Soc Esp Parasitol*, Las Palmas, Canarias.
13. Almeida AP, Afonso A, Ferreira P, Calado M, **Belo S** (2013). Genetic biomarkers for differentiation between *Fasciola gigantica* and *F. hepatica* in African Portuguese speaking countries. *18^o Cong Soc Esp Parasitol*, Las Palmas, Canarias.
14. Ferreira C, Calado M, Afonso A, Alho AM, Madeira de Carvalho L, Meireles J, Cunha C, **Belo S** (2013). Advantages of molecular tools for the specific diagnosis of canine dirofilariosis and other canine filarial nematodes in Portugal. *18^o Cong Soc Esp Parasitol*, Las Palmas, Canarias.
15. Gonçalves L, Subtil A, Brites N, de Oliveira MR, Alho AM, Landum M, Meireles J, Madeira de Carvalho L and **Belo S**. (2012). Bayesian Latent Class Models in Veterinary and Human Epidemiology. *46th Scientific Meeting of the Italian Statistical Society*, Rome, Italy.
16. Alho AM, Landum M, Madeira de Carvalho L, Meireles J, Gonçalves L, **Belo S** (2012). Updating the epidemiological status of canine dirofilariosis in Portugal - preliminary results. *III European Dirofilaria Days*, Parma, Italy. http://www.mvcongressi.com/dati/calendarioeventipdf/1393_0.pdf

Posters

17. Figueiredo J, **Belo S**, Grácio MAA (2017). Estudo ultrassonográfico de complicações urológicas associadas a *Schistosoma haematobium* na população Angolana. *4^o Congresso Nacional de Medicina Tropical*. 1^o Encontro Lusófono de SIDA, tuberculose e doenças oportunistas. 19-21 abril, Lisboa, Portugal. Livro de Resumos 4CNMT:79.

18. Alho AM, Meireles J, Cardoso L, Cortes H, Lopes AP, Vila-Viçosa MJ, Deplazes P, **Belo S**, Madeira de Carvalho L (2017). Ecoepidemiologia da infeção por *Dirofilaria* spp em Portugal. 4^o Congresso Nacional de Medicina Tropical. 1^o Encontro Lusófono de SIDA, tuberculose e doenças oportunistas. 19-21 abril, Lisboa, Portugal. Livro de Resumos 4CNMT:80.
19. Alho AM, **Belo S**, Cardoso L, Deplazes P, Madeira de Carvalho L (2016). Ecoepidemiology of *Dirofilaria* spp. and *Angiostrongylus vasorum* in Portugal. ESCCAP -European Scientific Counsel for Companion Animal Parasites, Southern European Veterinary Conference, 19-20 de October Granada, Spain.
20. Oliveira RN, Calado M, **Belo S**, Afonso A, Ferreira PM, Jeraldo V, Santos KR, Allegretti SM (2015). OP-18: Application of Random Amplified Polymorphic DNA-PCR (PAPD) to detect genetic polymorphisms in different stages of *Schistosoma mansoni* life cycle after in vivo treatment with essential oil and Sesquiterpenes compounds of *Baccharis Trimeris* (LESS DC). 14th International Symposium in Schistosomiasis, 9-11 August, Bahia, Brazil
21. Alho AM, Schnyder M, **Belo S**, Deplazes P, Madeira de Carvalho L. (2014). Angiostrongylosis – current situation in Portugal. *Fourth European Dirofilaria and Angiostrongylus Days*, July 2-4, 2014, Budapest, Hungary, pp. 91 (abstracts book).
22. Alho AM, Landum M, Ferreira C, Meireles J, Gonçalves L, Madeira de Carvalho L & **Belo S** (2013). Prevalence and seasonal variations on canine dirofilariosis in Portugal. *Triennial Symposium of the American Heartworm Society*, 8-10 September, New Orleans, LA, EUA
23. Figueiredo J, Videira M, Guilherme M, Grácio MA, Richter J & **Belo S**. (2013). Urinary Tract Morbidity due to *S. haematobium* in Patients attending Américo Boavida Hospital, Luanda, Angola. 8th Eur Cong Trop Med Int Health, 10-13 setembro, Copenhagen, Denmark. (PO)<http://onlinelibrary.wiley.com/doi/10.1111/tmi.12163/pdf> P.1.4.5.010 (B)
24. Ferreira CC, Novo T, **Belo S** & Almeida AP (2013). Canine dirofilariosis in Portugal: survey of potential mosquito vectors, 2011-12]. 2^o Cong Nac Med. Trop., Lisboa.
25. Landum M, Ferreira CC, Calado M, Alho AM, Meireles JS, Madeira de Carvalho L, Cunha C, **Belo S** (2012). First report of *Wolbachia pipientis* in dogs infected with *Dirofilaria immitis* in Portugal -preliminary findings. *III European Dirofilaria Days*, Parma, Italy.

XIII – Prizes

Master courses

2015. Prize *Professor Doutor João Fraga de Azevedo*. Best MSc thesis in Medical Parasitology IHMT. Verônica Mixão [Identification of mosquito vectors of dirofilariosis in Portugal].
2013. Prize *Professor Doutor João Fraga de Azevedo*. Best MSc thesis in Medical Parasitology IHMT. Miguel Landum [Canine *Dirofilaria* spp infection in central Portugal].
2012. Prize *Professor Doutor Manuel Pinto*. Best MSc thesis in Biomedical Sciences. IHMT Cláudia Freitas [Study of Nurse Cell angiogenesis activity in *Trichinella spiralis* Nurse Cell in experimental model].

Congress

1. 2014. Prize Dr Luíz Augusto Magalhães, Sociedade Paulista de Parasitologia. Mendes T, Pinto-Almeida A, Armada A, Viveiros M, Belo S, Afonso A. [Evaluation of the role of efflux pumps on praziquantel pharmacoresistance in *Schistosoma mansoni*].

2. 2013. 1st Prize - *V Congress of Clinical Pathology and Public Health*. Castelo Branco. Roque, C., Beato, S., Maurício, I. & Belo, S. [Identification of new haplotype of *Fasciola hepatica*].
3. 2011. *Best oral presentation. 7TH Eur Congr Trop Med & Int Health*, Barcelona, Espanha. Afonso, T. Mendes, A.R. Figueira, I. Clemente, M. Calado, I. Maurício, P.M. Ferreira, C.C. Ferreira, M.A. Grácio & S. Belo. Immunological and genetical analysis of combined therapy with Artemisinin-Praziquantel in *Schistosoma mansoni* in vivo.
4. 2008. *Prof. F. Carvalho Araújo. 1st prize. Congresso Nacional de Doenças Infecciosas e Microbiologia Clínica, Sida e Parasitologia*. Portugal. Figueiredo, J., Belo, S., Videira, M., Micaelovisk, P. & Grácio, M.A.A. [*Schistosoma haematobium* in Angola. epidemiology and morbidity in adult population]

XIV – Paper’s Reviewer

- Journal of Agricultural Biotechnology and Sustainable Development
- Journal of Microbiology Research
- Memórias do Instituto Oswaldo Cruz
- PloS Neglected Tropical Medicine
- Parasite and Vectors
- BMC Infectious Diseases
- PlosOne
- Veterinary Parasitology: Regional Studies and Reports
- American Journal of Tropical Medicine & Hygiene
- Acta Tropica

XV – Professional and Scientific Membership Associations

- Ordem dos Farmacêuticos (Portuguese Pharmaceutical Association)
- Portuguese Society of Parasitology
- Angolan Society of Tropical Medicine
- European Society of Clinical Microbiology and Infectious Diseases (ESCMID)
- Editorial board member of *Aperito Journal of Bacteriology Virology Parasitology*
http://aperito.org/journal/ebm_display/15
- ECDC Expert Directory member