

III. CURRICULUM VITAE. BIOGRAPHICAL SKETCH

NAME		POSITION TITLE	
Maria Luísa Lobo Ferreira da Costa (MARIA LUÍSA LOBO)		Postdoctoral investigator: Group of Opportunistic Protozoa/HIV and Other Protozoa	
		Institute of Hygiene and Tropical Medicine, Universidade Nova de Lisboa (IHMT/UNL)	
INSTITUTION AND LOCATION	DEGREE	YEAR(s)	FIELD OF STUDY
Faculty of Sciences, Universidade de Lisboa	Biology	1998	Biological and Medical Sciences
IHMT/UNL	M.Sc.	2001	Medical Parasitology
IHMT/UNL	Doctorate	2010	Medical Parasitology

A. MAIN SCIENTIFIC AREAS OF INTEREST:

- Currently, ML Lobo is a researcher in a project financed by Gilead Génese (Imunonodiagnóstico da pneumonia por *Pneumocystis* (PPc): uma abordagem inovadora baseada na associação de biossensores serológicos e nanopartículas), at Institute of Hygiene and Tropical Medicine, Universidade Nova de Lisboa (IHMT/UNL).
- ML Lobo carries out Research, Education and Diagnosis in the Infectious Diseases/Medical Parasitology areas, namely Opportunistic Protists, Molecular and Cell Biology, Molecular Epidemiology, Immunology, Bioinformatics analysis and Tropical Medicine.

B. OTHER SCIENTIFIC AREAS OF INTEREST: Biomedical Sciences, Infectious Diseases, Tropical Medicine research, for public health development in tropical regions, education, provision of local community services in Portugal (clinical, laboratory and public health) and dissemination of scientific knowledge.

C. RESEARCH/TEACHING/SUPERVISORY RESPONSIBILITIES:

Research Activities: Since 2000, participated in several research projects (team member and/or recruited) in the Medical Parasitology area (molecular epidemiology and diagnosis of cryptosporidiosis, microsporidiosis, and pneumocystosis; diagnosis of toxoplasmosis, giardiasis and Amebiasis).financed by FCT-PTDC/SAU-MIC/116716/2010, VIH/SAU/0019/2011 (2011-May2014), POCTI/ESP/46369/2002, by Merck Sharp & Dhome 38903 (2011-2012), Associação para a Investigação e Desenvolvimento da Faculdade de Medicina de Lisboa (AIDFM) (2001-2004; 2009-2012), and Europ. Community-MED-VET-NET (2003).

Research Teams: Currently, member of the R&D Centre Global Health and Tropical Medicine (GHTM), at the IHMT financed by the Portuguese Foundation for Science and Technology (FCT); Previously, she was member of R&D Centres financed by FCT - CMDT and UPMM.

Research Networks: 2012-2017: Research Member of the Ibero-American Network on Pneumocystosis, IBEROPNEUMOCYSTIS (Ref. 212RT0450), CYTED Network 2012-2015.

Teaching Activities 2001-2018: Teaching in several classes from Doctoral (Since 2013: Biomedical Sciences, IHMT/UNL; Human Genetic and Infectious Diseases, IHMT/UNL) and Master Courses (Since 2001: Master Course in Medical Parasitology, IHMT/UNL; Master Course in Emergent Infectious Diseases - University of Medicine, Lisbon; Master Course in Biomedical Sciences, IHMT/UNL; Master Course in Tropical Medicine, IHMT/UNL), Nursing Graduate course (2007-2011; Escola Superior de Enfermagem de Lisboa Pólo Calouste Gulbenkian) and post-graduate courses (Post-Graduate Course in Medical Parasitology, IHMT/UNL).

Specialized training and several technical-scientific courses in the areas of Life Sciences, Engineering Biological and Biomedical Sciences (2013-2017), in IHMT/UNL, Portugal, and one training course in Faculdade de Medicina Eduardo Mondlane, Mozambique.

Supervising Experience: Currently, ML Lobo is co-supervising two Doctoral and one MSc students and completed the supervising or co-supervision of 3 MSc students.

Since 2001, participated in the co-supervision (practical component) of a total of 20 Bachelor (Biotechnology), Graduate (Biotechnological Engineering) and Post-Graduate (Master Course in Medical Parasitology and Master Course in Biomedical Sciences, IHTM/UNL); Master Course in Emergent Infectious Diseases, University of Medicine, Lisbon) training students.

D. DIAGNOSTIC SUPPORT TO THE COMMUNITY

Clinical Pathology Laboratory and Group of Opportunistic Protozoa/HIV and Other Protozoa Laboratory, at Institute of Hygiene and Tropical Medicine:

Diagnosis:: Malaria (parasitological, serological and molecular biology methods); Dengue, Zika and Chikungunya (serological methods), intestinal protozoa (*Giardia duodenalis*, *Entamoeba histolytica*, *Cryptosporidium* spp., *Cyclospora cayentanensis*, *Cystoisospora belli* and Microsporidia) (parasitological, serological, culture, and molecular biology methods) and helminths; pneumocystosis (parasitological and molecular biology methods); toxoplasmosis (parasitological, isolation in mouse, serological and molecular biology methods); human American tripanosomiasis (parasitological, serological and molecular biology methods);

E. GRANTS, AWARDS AND PRIZES:

ML Lobo earned 4 Grants: FCT (SFRH/BD/34674/2007/FCT, VIH/SAU/0019/2011 e POCTI/ESP/46369/2002); Merck Sharp & Dhome; and 1 Award Conference grant, NIH, US Depart. Health & Human Services.

F. PEER-REVIEWED PUBLICATIONS:

ML Lobo published as author/co-author 19 papers (1stauthor- 9; 1 review paper) and 5 abstracts in International Peer Review Journals with over 404 citations and 3 papers in National Periodicals. Last year's peer-reviewed papers:

- Sokulska M, Kicia M, Wesolowska M, Piesiak P, Kowal A, Lobo ML, Kopacz Z, Hendrich AB, Matos O. Genotyping of *Pneumocystis jirovecii* in colonized patients with various pulmonary diseases. *Med Mycol.* 2017; 0, 1-7. doi: 10.1093/mmy/myx121 [FI= 2.377]
- Lobo ML, Patrocinio G, Sevivas T, De Sousa B, e Matos O. Portugal and Angola: similarities and differences in *Toxoplasma gondii* seroprevalence and risk factors among pregnant women. *Epidemiology and Infection.* January 2017; 145 (1): 30-40. doi: 10.1017/S0950268816001904 [FI= 2.515]
- Vieira PM, Mederle N, Lobo ML, Imre K, Mederle O, Xiao L, Dărăbuș G e Matos O. Molecular characterization of *Cryptosporidium* spp. in children and cattle in Romania. *Folia Parasitologica.* 2015; 62: 002. doi: 10.14411/fp.2015.002 [FI= 1.211]
- Lobo ML, Augusto J, Antunes F, Ceita J, Xiao L, Codices V, Matos O. *Cryptosporidium* spp., *Giardia duodenalis*, *Enterocytozoon bieneusi* and other intestinal parasites in young children in Democratic Republic of São Tomé and Príncipe. *PLOS ONE.* 2014; 9(5): e97708. doi: 10.1371/journal.pone.0097708 [FI= 3.534 3.730]
- Esteves F, Aguiar D, Rosado D, Costa ML, de Sousa B, Antunes F, Matos O. *Toxoplasma gondii* prevalence in cats from Lisbon and pigs from Centre and South of Portugal. *Vet Parasitol.* 2013. pii: S0304-4017(13)00683-3. doi: 10.1016/j.vetpar.2013.12.017. [FI= 2.460]
- Lobo ML, Esteves F, Sousa B, Cardoso F, Cushion MT, Antunes F, Matos O. Therapeutic potential of Caspofungin combined with Trimethoprim-Sulfamethoxazole for *Pneumocystis* pneumonia: a pilot study in mice. *PLOS ONE.* 2013; 8(8):e70619. doi: 10.1371/journal.pone.0070619 [FI= 3.534 3.730]
- Matos O, Lobo ML, Xiao L. Epidemiology of *Enterocytozoon bieneusi* infection in humans. *Journal of Parasitology Research.* Review article. Volume 2012, Article ID 9814242012 (19pages).
- Lobo ML, Xiao L, Antunes F, Matos O. Microsporidia as emerging pathogens and the implication for public health: A 10-year study on HIV-positive and -negative patients. *Int. J. Parasitol* 2012; 42(2):197-205. [FI= 3.872]
- Feng Y., Li N., Dearen T., Lobo ML, Matos O., Cama V., Xiao L. Development of a multilocus sequence typing tool for high resolution genotyping of *Enterocytozoon bieneusi*. *Appl Environ Microbiol.* 2011; 77 (14): 4822-4828. [FI= 3.668]
- Imre K, Lobo ML, Olga M, Popescuc C, Genchid C, Dărăbuș G. Molecular characterisation of *Cryptosporidium* isolates from pre-weaned calves in Romania: Is there an actual risk of zoonotic infections?. *Vet Parasitol.* 2011; 181 (2-4): 321-324. [FI= 2.460]
- Lobo ML, Xiao L, Antunes F, Matos O. Occurrence of *Cryptosporidium* and *Giardia* Genotypes and Subtypes in Raw and Treated Water in Portugal. *Lett Appl Microbiol.* 2009; 48:732-737. [FI= 1.659]

G. BOOK CHAPTERS:

- Matos O, Lobo ML. 2015. *Enterocytozoon*. In: Molecular Biology of Food and Water Borne Mycotoxigenic and Mycotic Fungi of Humans. RRM. Paterson (editor). Food Microbiology Series (series editor: D Liu), CRC Press, Cap. 40, pp.
- Matos O, Lobo ML, Teles & Antunes F. 2007. Is microsporidial infection in animals a potential source for human microsporidiosis? In: Proceedings of the workshop on waterborne human microsporidia. FW. Schaefer III e HD Alan Lindquist (editores). U.S. Environmental Protection Agency, Cap. 3, pp. 57-66.

H. OTHER PUBLICATIONS/COMMUNICATIONS:

ML Lobo published as author/co-author 40 abstracts in International/National Conference Proceedings, 18 abstracts in other Scientific Periodicals, 63 Communications in International/National Scientific Meetings with Referees (29 platforms and 34 posters), 6 Didactic Publications for post-graduate courses (Mozambique and Portugal).

I. TRAINING/COURSES ACTIVITIES:

Over time she has been expanding her scientific abilities and skills with several training/courses activities, including:

- Intensive training on parasitological/molecular methodologies (6 weeks), Centers for Disease Control and Prevention (CDC), Atlanta, USA.
- Training course on Laboratory animals – (FELASA Categoria B), SPCAL/IHMT

J. OTHER SCIENTIFIC ACTIVITIES:

ML Lobo was member of 3 Organizing Committees of International Scientific Meetings and 4 Organizing Committees of post-graduate courses (1 in Mozambique and 3 in Portugal); and participated in other scientific activities: member of academic jury (3); Member of Editorial Board of *Reviews in Medical Microbiology* and invited Scientific Reviewer of peer-reviewed International journals: *Acta Protozoologica*, *Veterinary Parasitology*, *Zoonoses and Public Health*, *Experimental Parasitology*, *Transactions of the Royal Society of Tropical Medicine and Hygiene*, *International Scholarly Research Notices* and *Journal of Eukaryotic Microbiology*.