

Short Curriculum vitae

NAME: Olga Maria Guerreiro de Matos

NATIONALITY: Portuguese

CONTACT: Rua da Junqueira 100, 1349-008 Lisboa, Portugal

Telephone: + (351) 213652600, ext 502; + (351) 213652638; Fax: + (351) 213632105

Email: omatos@ihmt.unl.pt / www.ihmt.unl.pt

1. PRESENT WORK

Group of Opportunistic Protozoa/HIV and Other Protozoa

Unit of Medical Parasitology

Instituto de Higiene e Medicina Tropical (IHMT)

Universidade Nova de Lisboa (UNL)

Rua da Junqueira 96, 1349-008 Lisboa, Portugal

Telephone: +(351) 213652638; Fax: +(351) 213632105

2. PARTICIPATION IN UNIVERSITY-BASED RESEARCH CENTERS

Senior Researcher at

TB, HIV and opportunistic diseases and pathogens (THOP) Group

Global Health and Tropical Medicine (GHTM)

Universidade Nova de Lisboa (UNL)

Senior Resaercher at

Environment and Infectious Diseases Group

Institute of Environmental Health (ISAMB)

Faculty of Medicine (FM), Universidade de Lisboa (UL)

3. ACADEMIC DEGREES

2004 Habilitation (Agregação), Instituto de Higiene e Medicina Tropical (IHMT),
Universidade Nova de Lisboa (UNL).

2000 Doctorate, Instituto de Higiene e Medicina Tropical (IHMT), UNL.

1993 MSc, Instituto de Higiene e Medicina Tropical (IHMT), UNL.

1980 Degree in Medicine, Faculdade de Ciências Médicas, UNL.

4. POSITIONS

2023 Full Professor

2007 Associate Professor with Habilitation at IHMT, UNL, Lisboa, Portugal

2010-2011 Appointed Visiting Associate Professor at the University of Timisoara by the Senate of
the Banat't University of Agricultural Sciences and Veterinary Medicine, Timisoara,
Romania.

2005-2010 Director, Theaching and Research Unit of Opportunistic Protozoa/HIV and Other
Protozooses, at IHMT, UNL, Lisboa, Portugal.

2000-2007 Assistant Professor at IHMT, UNL, Lisboa, Portugal.

1993-1999 Graduate Teaching Assistant at IHMT, UNL, Lisboa, Portugal.

- 1989-1993 Teaching Assistant trainee at IHMT, UNL, Lisboa, Portugal.
1986-1987 Voluntary Doctor, Central Hospital of Maputo, Mozambique.
1987-1988 Medical Doctor at Dispensary of United Nations, Maputo, Mozambique.
1987-1988 Medical Doctor at Transportes Aéreos Portugueses (TAP) Delegation in Maputo, Mozambique.
1981-1985 General Internship, Centro de Saúde de Alter do Chão/Santa Maria Hospital, Lisboa, Portugal.
1974-1980 Secondary School Teacher at several schools in the Great Lisbon Area, Portugal.

5. MEMBERSHIP AND SERVICES

- **Member** of the Working Group on *Pneumocystis* for 5th European Conference on Infections in Leukemia (ECIL) (2013), which established evidence-based recommendations for using tests to diagnose *Pneumocystis* pneumonia in adults' patients with hematological malignancies.
- **Member of European Networks** for the study of oportunicistic protozooses - Rede Iberoamericana sobre Pneumocystosis 212RT0450, CYTED Network (2012-2015 - Portuguese PI); European Society of Clinical Microbiology and Infectious Diseases (ESCMID) study group for Clinical Parasitology, Intestinal Parasites subgroup (since 2011 – Member); European Society of Clinical Microbiology and Infectious Diseases (ESCMID) study group for Clinical Parasitology, Toxoplasma subgroup (since 2011 - Member); Orphanet of Rare Diseases Task Force (since 2008 - Member); EU Network of Excellence MedVetNet (2004-2006 - Associated partner); EUROCARINII Group (2002-2004 – Portuguese PI); Colaboration with the Reference Centre of the National Institute of Health Ricardo Jorge (INSA,RJ), Lisboa, Portugal, with the Centre de Controle de Qualité National en Parasitologie, Gonesse, France, and with the Working Group on Standartization and Quality Assurance-European Network on Congenital Toxoplasmosis in the program “*Toxoplasma gondii* and toxoplasmosis – quality control of the diagnostic methods” (1994-2000 - Partner).
- **Evaluation Panels Member for Centers, Postdoc and PhD Fellowships and Projects, and Editorial Board.**
 - Research centers and Postdoctoral and PhD Programme Recruitment** - Group of Experts for the Agence d'Évaluation de la Recherche et de l'Enseignement Supérieur (AERES), France (2013, 2015, 2016), Fundação para a Ciência e a Tecnologia (FCT), Portugal (2017).
 - Projects and Stakeholder Meetings-** Scientific evaluation panel for projects of German Ministry of Education and Resaerch (2019, 2023), Postes D'accueil, Paris (2019), Austrian Science Fund (2018), Ministry of Science, Technology & Space of Israel (2017), Infect-ERA JTC-EU (2016), European & Developing Countries Clinical Trials Partnership (EDCTP)-EU Diarrhoeal Diseases (2016), EDCTP-EU Lower Respiratory Infections (2016), FCT, Portugal (2016), AERES, Lille and Paris, France (2013), Institut Mérieux, France (2011), and National Health Laboratory Service (NHLS) Research Trust, South Africa (2008, 2009).
 - Editorial Board Member** - Acta Médica Portuguesa (since 2014), The Journal of Eukaryotic Microbiology (since 2015), Reviews in Medical Microbiology (2016-2018), Frontiers in Microbiology – Guest Associate Editor (since 2019), Frontiers in Tropical Diseases – Vector Biology (since 2021).
 - Scientific Revision of manuscripts** - Acta Médica Portuguesa, Acta Tropica, Acta Parasitologica, African Journal of Microbiology Research, Antimicrobial Agents and Chemotherapy, Asian Pacific Journal of Tropical Disease, Austin Journal of Dermatology, Avian Pathology, African Journal of

Microbiology Research, BMC Microbiology, BMC Veterinary Research, Clinical and Vaccine Immunology, Clinical Infectious Diseases, Clinical Microbiology and Infection, Clinical Microbiology Reviews, Current Medicinal Chemistry, Emerging Infectious Diseases, Environmental Science and Pollution Research, Epidemiology and Infection, Experimental Parasitology, Expert Review of Anti-infective Therapy, FEMS Immunology & Medical Microbiology, Frontiers in Microbiology, Infection Genetics and Evolution, International Journal of Hygiene and Environmental Health, Journal of Applied Microbiology, Journal of Clinical Microbiology, Journal of Eukaryotic Microbiology, Journal of Infectious Diseases, Journal of Medical Microbiology, Journal of Parasitology, Journal of Parasitology Research, Medical Mycology, MIOsvaldo Cruz, Mycopathologia, Mycoses, North American Journal of Medical Sciences, Ocean & Coastal Management, Parasites and Vectors, PLoS Neglected Tropical Diseases, PLoS ONE, Research in Veterinary Science, The Philippine Agricultural Scientist, Transactions of The Royal Society of Tropical Medicine and Hygiene, Vector-Borne and Zoonotic Diseases, Veterinaria Italiana, Veterinary Parasitology.

- **Laboratory Community Services** - Coordinator of the Laboratories of Opportunistic Protozoa/HIV and Other Protozoa since 2005 - specialised diagnostic techniques in the areas of intestinal protozooses, American and African trypanosomiases, toxoplasmosis and pneumocystosis.

6. PRESENT FIELDS OF INTERESTS

Medical Parasitology, Medical Protozoology, Infectious Diseases, Tropical Medicine, Opportunistic Diseases, Molecular Biology.

- **Main Research Areas - Molecular epidemiology of infections:** *Pneumocystis jirovecii*, *Toxoplasma gondii*, *Giardia duodenalis*, *Cryptosporidium* spp. and Microsporidia, in humans and animals; **Drug resistance and susceptibility genes:** *P. jirovecii* and *T. gondii* infections. **Host-parasite relationship:** *P. jirovecii* and *Cryptosporidium* spp. **Epidemiology of Chagas disease** in Portugal, a non-endemic country. **Development of new tools** for diagnosis and molecular characterization of opportunistic, emergent and re-emergent parasitoses. Survey and *in vitro* **studies of medicinal plants** with anti-parasitic activity.

7. TEACHING ACTIVITIES

- **Coordination and Organization** of 1 Scientific Area, 5 Curricular Units/Modules of 3 Masters and 2 Training Courses. **Participation** - Lectures in 2 PhD courses, 3 Master Courses, 1 e-Learning Course, 3 Post-graduation Courses at IHMT and in 1 Master and 1 Graduation Courses at Faculty of Science and Technology, UNL. Lectures at the Integrated Master of Medicine, 3 other Master Courses at Faculty of Medicine and in 1 Master Course at Faculty of Sciences, UL. Sporadic participation in other Post-Graduate courses, in other University institutions.

- **Main Teaching Areas** – Medical Parasitology, Opportunistic and Emerging Diseases, Laboratory Methods in Medical Parasitology.

8. PUBLICATIONS

URL: <https://orcid.org/0000-0001-5793-7716>

URL: https://scholar.google.pt/citations?hl=pt-PT&user=FQVYttYAAAAJ&view_op=list

URL: <https://www.scopus.com/authid/detail.uri?authorId=7003376822>

URL: <https://loop.frontiersin.org/people/420689/overview>
Ciência ID: 751F-FE84-CCF2

- Peer-reviewed Journal Articles:

- SALAMATIN R., KNYSZ B., PASZTA W., LELONEK E., **MATOS O.**, WESOŁOWSKA M. Cutaneous Larva Migrans: A One Health Perspective on Familial Infection Among Tourists Returning from Southeast Asia. *Clinical, Cosmetic and Investigational Dermatology* (accepted for publication).
- SALAMANDANE C., LOBO M. L., AFONSO S., XIAO L., **MATOS O.** (2023). Exploring genetic variability of *Giardia duodenalis* and *Enterocytozoon bienersi* in raw vegetables and fruits: implications for food safety and Public Health in Mozambique. *Frontiers in Microbiology*, 14:1223151. doi: 10.3389/fmicb.2023.1223151.
- SZYDŁOWICZ M., KRÓLAK-OLEJNIK B., VARGAS S. L., KOPACZ Ż., PALUSZYŃSKA D., **MATOS O.**, HENDRICH A. B. & KICIA M. (2022). *Pneumocystis jirovecii* colonization in preterm newborns with respiratory distress syndrome. *The Journal of Infectious Diseases*, 225(10): 1807-1810. doi: 10.1093/infdis/jiab209.
- NHAMBIRRE O. L., COSSA-MOIANE I., BAUHOFFER A. F. L., CHISSAQUE A., LOBO M. L., **MATOS O.** & DEUS N. D. (2022). Intestinal parasites in children up to 14 years old, hospitalized with diarrhea in Mozambique, 2014-2019. *Pathogens*, 11(3):353. doi: 10.3390/pathogens11030353.
- SZYDŁOWICZ M. & **MATOS O.** (2021). *Pneumocystis pneumonia* in the COVID-19 pandemic era: similarities and challenges. *Trends in Parasitology*, 37(10): 859-862. doi: 10.1016/j.pt.2021.07.010.
- SALAMANDANE C., LOBO M. L., AFONSO S., MIAMBO R., **MATOS O.** (2021). Occurrence of intestinal parasites of public health significance in fresh horticultural products sold in Maputo markets and supermarkets, Mozambique. *Microorganisms*, 9, 1806. <https://doi.org/10.3390/microorganisms9091806>
- SZYDŁOWICZ M., **MATOS O.** (2021). *Pneumocystis pneumonia* in the COVID-19 pandemic era: similarities and challenges. *Trends in Parasitology*, 37(10): 859-862. doi: 10.1016/j.pt.2021.07.010.
- **MATOS O.**, XIAO L. (2021). Editorial: Recent Advances in the Controversial Human Pathogens *Pneumocystis*, *Microsporidia* and *Blastocystis*. *Frontiers in Microbiology*, 12: 701879. doi: 10.3389/fmicb.2021.701879
- NEVEZ G., TOTET A., **MATOS O.**, CALDERON E. J., MILLER R. F., LE GAL S. (2021). It is still PCP that can stand for *Pneumocystis pneumonia*: appeal for generalized use of only one acronym. *Medical Mycology*, 0:1-3; doi:10.1093/mmy/myab024

- SZYDŁOWICZ M., KRÓLAK-OLEJNIK B., VARGAS S. L., KOPACZ Ż., PALUSZYŃSKA D., **MATOS O.**, HENDRICH A. B., KICIA M. (2021). Pneumocystis jirovecii colonization in preterm newborns with respiratory distress syndrome. *The Journal of Infectious Diseases*, jiab209, <https://doi.org/10.1093/infdis/jiab209>
- VIRGOLINO A., ANTUNES F., SANTOS O., COSTA A., MATOS M. G., BÁRBARA C., BICHO M., CANEIRAS C., SABINO R., NÚNCIO M. S., **MATOS O.**, SANTOS R. R., COSTA J., ALARCÃO V., GASPAR T., FERREIRA J., CARNEIRO A. V. (2020). Towards a global perspective of Environmental Health: defining the research grounds for an Institute of Environmental Health (ISAMB). *Sustainability*, 12: 1-24, 8963; doi:10.3390/su12218963
- SALAMANDANE C., FONSECA F., AFONSO S., LOBO M. L., ANTUNES F. & **MATOS O.** (2020). Handling of fresh vegetables: knowledge, hygienic behavior of vendors, public health in Maputo markets, Mozambique. *International Journal of Environmental Research and Public Health*, 17(17):1-17, 6302; doi:10.3390/ijerph17176302
- TOMÁS, A. L., CARDOSO, F., DE SOUSA, B. & **MATOS, O.** (2020). Detection of anti-Pneumocystis jirovecii antibodies in human serum using a recombinant synthetic multi-epitope kexin-based antigen. *European Journal of Clinical Microbiology and Infectious Diseases*, 39: 2205–2209; <https://doi.org/10.1007/s10096-020-03936-2>.
- DE ARMAS Y., CAPO V., BORNAY-LINARES F. J., DEL ÁGUILA C., **MATOS O.**, CALDERÓN E. J. (2020). Pneumocystis jirovecii and Microsporidia: an unusual co-infection in HIV patients? *Medical Mycology*, 0; 1-4, doi:10.1093/mmy/myaa048.
- TOMÁS A.L., DE ALMEIDA M.P., CARDOSO F., PINTO M., PEREIRA E., FRANCO R., **MATOS O.** (2019). Development of a gold nanoparticle-based lateral-flow immunoassay for Pneumocystis pneumonia serological diagnosis at point-of-care. *Frontiers in Microbiology*, 10:2917, doi: 10.3389/fmicb.2019.02917.
- SZYDŁOWICZ M., JAKUSZKO K., SZYMCZAK A., PIESIAK P., KOWAL A., KOPACZ Z., WESOŁOWSKA M., LOBO M. L., **MATOS O.**, HENDRICH A. B., KICIA M. (2019). Prevalence and genotyping of Pneumocystis jirovecii in renal transplant recipients—preliminary report. *Parasitology Research*, 118: 181-189, <https://doi.org/10.1007/s00436-018-6131-0>.
- TOMÁS A. L. & **MATOS O.** (2018). Pneumocystis jirovecii pneumonia: current advances in laboratory diagnosis. *OBM Genetics*, 2(4), doi:10.21926/obm.genet.1804049
- MEDERLE N., LOBO M. L., MORARIU S., MORARIU F., DĂRĂBUŞ G., MEDERLE O. & **MATOS O.** (2018). Microscopic and molecular detection of Nosema ceranae in honeybee Apis mellifera L. from Romania. Status on pathogen worldwide distribution. *Revista de Chimie*, 69(12): 3761-3772.
- SOKULSKA M., KICIA M., WESOŁOWSKA M., PIESIAK P., KOWAL A., LOBO M. L., KOPACZ Ż., HENDRICH A. B. & **MATOS O.** (2018). Genotyping of *Pneumocystis jirovecii* in

colonized patients with various pulmonary diseases. *Medical Mycology*, 56 (7): 809–815. doi: 10.1093/mmy/myx121

- ALANIO A., GITS-MUSELLI M., GUIGUE N., DESNOS-OLLIVIER M., CALDERON E., CAVE D. D., DUPONT D., HAMPRECHT A., HAUSER P. M., HELWEG-LARSEN J., KICIA M., LAGROU K., LENGEROVA M., **MATOS O.**, MELCHERS W., MORIO F., NEVEZ G., TOTET A., WHITE L. P., BRETAGNE S. (2017). Diversity of *Pneumocystis jirovecii* across Europe: a multicentre observational study. *EBioMedicine*, 22: 155-163. <http://dx.doi.org/10.1016/j.ebiom.2017.06.027>
- VARGAS S., PONCE C. A., BUSTAMANTE R., CALDERON E., NEVEZ G., DE ARMAS Y., **MATOS O.**, MILLER R. F., GALLO M. (2017). Importance of tissue sampling, laboratory methods, and patient characteristics for detection of *Pneumocystis* in autopsied lungs of non-immunosuppressed individuals. *European Journal of Clinical Microbiology & Infectious Diseases*. 36 (10): 1711-1716. DOI: 10.1007/s10096-017-3006-8
- CORDONNIER C., ALANIO A., CESARO S., MASCHMEYER G., EINSELE H., J. DONNELLY P. J., HAUSER P. M., LAGROU K., MELCHERS W. J. G., HELWEG-LARSEN J., **MATOS O.**, BRETAGNE S. & MAERTENS J. on behalf of the Fifth European Conference on Infections in Leukemia (ECIL-5†), a joint venture of The European Group for Blood and Marrow Transplantation (EBMT), The European Organization for Research and Treatment of Cancer (EORTC), the Immunocompromised Host Society (ICHS) and The European LeukemiaNet (ELN) (2017). *Pneumocystis jirovecii* pneumonia: still a concern in patients with haematological malignancies and stem cell transplant recipients – authors’ response. *Journal of Antimicrobial Chemotherapy*. 72(4):1266-1268.
- PONCE C. A., CHABÉ M., GEORGE C., CÁRDENAS A., DURAN L., GUERRERO J., BUSTAMANTE R., **MATOS O.**, HUANG L., MILLER R. F. & VARGAS S. L. (2017). High prevalence of *Pneumocystis jirovecii* dihydropteroate synthase gene mutations in patients with first episode of *Pneumocystis* pneumonia in Santiago, Chile, and their clinical response to trimethoprim-sulfamethoxazole therapy. *Antimicrobial Agents and Chemotherapy*, 61(2). pii: e01290-16.
- LOBO M. L., PATROCINIO G., SEVIVAS T., DE SOUSA B. & **MATOS O.** (2017). Portugal and Angola: similarities and differences in *Toxoplasma gondii* seroprevalence and risk factors among pregnant women. *Epidemiology and Infection*, 145(1): 30-40.
- TOMÁS A.L., CARDOSO F., ESTEVES F. & **MATOS O.*** (2016). Serological diagnosis of pneumocystosis: production of a synthetic recombinant antigen for immunodetection of *Pneumocystis jirovecii*. *Scientific Reports*, 6, 36287.
- ESTEVES F., DE SOUSA B., CALDERÓN E. J., HUANG L., BADURA R., MALTEZ F., BASSAT Q., DE ARMAS Y., ANTUNES F. & **MATOS O.** (2016). Multicenter study highlighting clinical relevance of new high-throughput methodologies in molecular epidemiology of *Pneumocystis jirovecii* pneumonia. *Clinical Microbiology and Infection*, 22(6): 556e9-566.e19.

- MAERTENS J., CESARO S., MASCHMEYER G., EINSELE H., J. DONNELLY P. J., ALANIO A., HAUSER P. M., LAGROU K., MELCHERS W. J. G., HELWEG-LARSEN J., **MATOS O.**, BRETAGNE S. & CORDONNIER C. on behalf of the 5th European Conference on Infections in Leukaemia (ECIL-5[†]), a joint venture of the European Group for Blood and Marrow Transplantation (EBMT), the European Organisation for Research and Treatment of Cancer (EORTC), the Immunocompromised Host Society (ICHS) and the European LeukemiaNet (ELN) (2016). ECIL guidelines for preventing *Pneumocystis jirovecii* pneumonia in patients with haematological malignancies and stem cell transplant recipients. *Journal of Antimicrobial Chemotherapy*, 71(9): 2397-2404.
- ALANIO A., HAUSER P. M., LAGROU K., MELCHERS W. J. G., HELWEG-LARSEN J., **MATOS O.**, CESARO S., MASCHMEYER G., EINSELE H., DONNELLY J. P., CORDONNIER C., JOHAN MAERTENS J. & BRETAGNE S. on behalf of the 5th European Conference on Infections in Leukemia (ECIL-5[†]), a joint venture of The European Group for Blood and Marrow Transplantation (EBMT), The European Organization for Research and Treatment of Cancer (EORTC), the Immunocompromised Host Society (ICHS) and The European LeukemiaNet (ELN) (2016). ECIL guidelines for the diagnosis of *Pneumocystis jirovecii* pneumonia in patients with haematological malignancies and stem cell transplant recipients. *Journal of Antimicrobial Chemotherapy*, 71(9): 2386-2396.
- CORDONNIER C., CESARO S., MASCHMEYER G., EINSELE H., J. DONNELLY P. J., ALANIO A., HAUSER P. M., LAGROU K., MELCHERS W. J. G., HELWEG-LARSEN J., **MATOS O.**, BRETAGNE S. & MAERTENS J. on behalf of the Fifth European Conference on Infections in Leukemia (ECIL-5[†]), a joint venture of The European Group for Blood and Marrow Transplantation (EBMT), The European Organization for Research and Treatment of Cancer (EORTC), the Immunocompromised Host Society (ICHS) and The European LeukemiaNet (ELN) (2016). *Pneumocystis jirovecii* pneumonia: still a concern in patients with haematological malignancies and stem cell transplant recipients. *Journal of Antimicrobial Chemotherapy*, 71(9): 2379-2385.
- ALANIO A., GITS-MUSELLI M., CALDERON E., DI CAVE D., DUPONT D., HAMPRECHT A., HAUSER P., HELWEG-LARSEN J., KICIA M., LAGROU K., LENGEROVA M., **MATOS O.**, MELCHERS W. (2016). European study on *Pneumocystis jirovecii* short tandem repeats genotyping reveals wide population diversity with geographic specificities. *Journal de Mycologie Médicale*, 26(2): e5-e6.
- CALDERON E. J., CUSHION M. T., XIAO L., LORENZO-MORALES J., **MATOS O.**, KANESHIRO E. S., WEISS L. M. (2015). The 13th International Workshops on Opportunistic Protists (IWOP13). *Journal of Eukaryotic Microbiology*, 0, 1–9.
- ESTEVES F., CALÉ S. S., BADURA R., DE BOER M. G., MALTEZ F., CALDERON E. J., VAN DER REIJDEN T. J., MARQUEZ-MARTIN E., ANTUNES F., **MATOS O.** (2015). Diagnosis of *Pneumocystis* pneumonia: evaluation of four serologic biomarkers. *Clinical Microbiology and Infection*, 21(4): 379.e1–379.e10.

- VIEIRA P. M., MEDERLE N., LOBO M. L., IMRE K., MEDERLE O., XIAO L., DARABUS G. & **MATOS O.** (2015). Molecular characterization of *Cryptosporidium* (Apicomplexa) in children and cattle in Romania. *Folia Parasitologica*, 62: 002.
- LOBO M. L., AUGUSTO J., ANTUNES F., CEITA J., XIAO L., CODICES V. & **MATOS O.** (2014). *Cryptosporidium* spp., *Giardia duodenalis*, *Enterocytozoon bienersi* and other intestinal parasites in young children in Democratic Republic of São Tomé and Príncipe. *PLoS ONE*, 9(5): e97708.
- ESTEVES F., LEE C.-H., DE SOUSA B., BADURA R., SERINGA M., FERNANDES C., GASPAR J. F., ANTUNES F. & **MATOS O.** (2014). (1-3)-Beta-D-glucan in association with lactate dehydrogenase as biomarkers of *Pneumocystis* pneumonia (PcP) in HIV-infected patients. *European Journal of Clinical Microbiology and Infectious Diseases*. 33: 1173–1180.
- ESTEVES F., MEDRANO F. J., DE ARMAS Y., WISSMANN G., CALDERÓN E. J.* & **MATOS O.** (2014). *Pneumocystis* and Pneumocystosis: First Meeting of experts from Latin-American and Portuguese-speaking Countries - A mini-review. *Expert Review of Anti-infective Therapy*, 12(5):545-8. doi: 10.1586/14787210.2014.894883..
- ESTEVES F., ANTUNES F. & **MATOS O.** (2014). *Pneumocystis* e pneumocistose: o agente patogénico e a doença (105 anos de investigação). *Revista Portuguesa de Doenças Infecciosas*, 10: 16-22.
- ESTEVES F., AGUIAR D., ROSADO J., COSTA M. L., DE SOUSA B., ANTUNES F. & **MATOS O.** (2014). *Toxoplasma gondii* prevalence in cats from Lisbon and in pigs from centre and south of Portugal. *Veterinary Parasitology*, 200: 8-12.
- LOBO M. L., ESTEVES F., DE SOUSA B., CARDOSO F., CUSHION M. & **MATOS O.** (2013). Therapeutic potential of Caspofungin combined with Trimethoprim-Sulfamethoxazole for *Pneumocystis* pneumonia: a pilot study in mice. *PLoS ONE*, 8(8): e70619.
- WEISS L. M., CUSHION M. T., DIDIER E., XIAO L., MARCIANO-CABRAL F., SINAI A. P., **MATOS O.**, CALDERON E. J. & KANESHIRO E. S. (2013). The 12th International Workshops on Opportunistic Protists (IWOP12). *Journal of Eukaryotic Microbiology*, 0: 1-11.
- PONCES-BENTO D., ESTEVES F., **MATOS O.**, MIRANDA A. C., VENTURA F., ARAÚJO C. & MANSINHO K. (2013). Unusual coexistence of opportunistic lung infections in a HIV positive patient suffering from persistent *Pneumocystis jirovecii* pneumonia (PcP): a case report. *Revista Portuguesa de Pneumologia*, 19 (3): 129-133.
- CÓDICES V., **MATOS O.**, NOVO C. (2013). Monoclonal antibody technology applied to the detection of *Cryptosporidium parvum* oocysts in human and cattle fecal samples. *Advances in Bioscience and Biotechnology*, 4: 7-16.
- ESGALHADO R., ESTEVES F., ANTUNES F. & **MATOS O.** (2013). Study of the epidemiology of *Pneumocystis carinii* in abattoir swine in Portugal. *Medical Mycology*, 51: 66-71.
- CÓDICES V., MARTINS C., NOVO C., PINHO M., DE SOUSA B., MENDES Â., BORREGO M. & **MATOS O.** (2013). Cell phenotypic change due to *Cryptosporidium parvum* infection in immunocompetent mice. *Acta Parasitologica*, 58 (1): 70-79.

- CÓDICES V., MARTINS C., NOVO C., DE SOUSA B., LOPES Â., BORREGO M. & **MATOS O.** (2013). Dynamics of cytokines and immunoglobulins serum profiles in primary and secondary *Cryptosporidium parvum* infection: usefulness of Luminex® xMAP technology. *Experimental Parasitology*, 133: 106-113.
- **MATOS O.** (2012). *Pneumocystis jirovecii* pneumonia in Africa: Impact and implications of highly sensitive diagnostic technologies. *North American Journal of Medical Sciences* [serial online] 4: 486-487.
- **MATOS O.**, LOBO M. L. & XIAO L. (2012). Epidemiology of *Enterocytozoon bieneusi* infection in humans. *Journal of Parasitology Research*. 2012, Article ID 981424, 19 pages.
- ESTEVES F., GASPAR J., DE SOUSA B., ANTUNES F., MANSINHO F. & **MATOS O.** (2012). *Pneumocystis jirovecii* multilocus genotyping in pooled DNA samples: A new approach for clinical and epidemiological studies. *Clinical Microbiology and Infection* 18: E177-E184.
- LOBO M. L., XIAO L., ANTUNES F. & **MATOS O.** (2012). Microsporidia as emerging pathogens and the implication for public health: a 10-year study on HIV-positive and -negative patients. *International Journal for Parasitology* 42: 197–205.
- IMRE K., LOBO L. M., **MATOS O.**, POPESCU C., GENCHI C. & DĂRĂBUS G. (2011). Molecular characterisation of *Cryptosporidium* isolates from pre-weaned calves in Romania: Is there an actual risk of zoonotic infections? *Veterinary Parasitology* 181(2-4): 321-324.
- FENG Y., LI N., DEAREN T., LOBO M. L., **MATOS O.**, CAMA V. & XIAO L. (2011). Development of a Multilocus Sequence Typing Tool for High-Resolution Genotyping of *Enterocytozoon bieneusi*. *Applied and Environmental Microbiology* 77 (14): 4822-4828.
- ESTEVES F, GASPAR J, DE SOUSA B, ANTUNES F, MANSINHO K & **MATOS O.** (2011). Clinical relevance of multiple single-nucleotide polymorphisms in *Pneumocystis jirovecii* pneumonia: development of a multiplex PCR-single-base-extension methodology. *Journal of Clinical Microbiology*, 49: 1810-1815.
- **MATOS O.** & ESTEVES F. (2010). Epidemiology and clinical relevance of *Pneumocystis jirovecii* (Frenkel, 1976) dihydropteroate synthase gene mutations. *Parasite*, 17: 219-232.
- **MATOS O.** & ESTEVES F. (2010). *Pneumocystis jirovecii* multilocus gene sequencing: findings and implications. *Future Microbiology*, 5 (8): 1257-1267.
- ESTEVES F., GASPAR J., MARQUES T., LEITE R., ANTUNES F., MANSINHO K. & **MATOS O.** (2010). Identification of relevant Single Nucleotide Polymorphisms in *Pneumocystis jirovecii*: relationship with clinical data. *Clinical Microbiology and Infection*, 16: 878-884.
- ESTEVES F., GASPAR J., TAVARES A., MOSER I., ANTUNES F., MANSINHO K. & **MATOS O.** (2010). Population structure of *Pneumocystis jirovecii* isolated from immunodeficiency virus positive patients. *Infection, Genetics and Evolution*, 10: 192-199.
- LOBO M. L., XIAO L., ANTUNES F. & **MATOS O.** (2009). Occurrence of *Cryptosporidium* and *Giardia* genotypes and subtypes in raw and treated water in Portugal. *Letters in Applied Microbiology*, 48: 732-737.
- IMRE K., **MATOS O.**, DĂRĂBUS G., MEDERLE N., OPRESCU I., MORARIU S., ILIE M. S., HOTEA I. & IMRE M. (2009). First genetic identification of *Cryptosporidium* spp. in cattle

in Romania. *Lucrari Stiintifice - Universitatea de Stiinte Agricole a Banatului Timisoara, Medicina Veterinara*, 42 (1): 26-30.

- ESTEVES F., TAVARES A., COSTA M. C., GASPAR J., ANTUNES F. & **MATOS O.** (2009). Genetic characterization of the UCS and Kex1 loci of *Pneumocystis jirovecii*. *European Journal of Clinical Microbiology and Infectious Diseases*, 28:175–178.
- ESTEVES F., MONTES-CANO M. A., DE LA HORRA C., COSTA M. C., CALDERÓN E. J., ANTUNES F. & **MATOS O.** (2008). *Pneumocystis jirovecii* multilocus genotyping profiles in patients from Portugal and Spain. *Clinical Microbiology and Infection*, 14: 356-362.
- WAAPH., GASPAR J., LOBO M. L. & **MATOS O.** (2008). Detection of DNA belonging to the genus *Besnoitia* in water. *Revista Portuguesa de Ciências Veterinárias*, 103: 90-92.
- GRACZYK T. K., JOHANSSON M. A., TAMANG L., VISVESVARA G. S., MOURA L. S., DASILVA A. J., GIROUARD A. S. & **MATOS O.** (2007). Retrospective species identification of microsporidian spores in diarrheic fecal samples from human immunodeficiency virus/AIDS patients by multiplexed fluorescence in situ hybridization. *Journal of Clinical Microbiology*, 45: 1255-1260.
- LOBO M.L., XIAO L., CAMA V., MAGALHÃES N., ANTUNES F. & **MATOS O.** (2006). Identification of potentially human-pathogenic *Enterocytozoon bieneusi* genotypes in various birds. *Applied and Environmental Microbiology*, 72: 7380-7382.
- COSTA M.C., ESTEVES F., ANTUNES F. & **MATOS O.** (2006). Genetic characterization of dihydrofolate reductase gene of *Pneumocystis jirovecii* isolates from Portugal. *Journal of Antimicrobial Chemotherapy*, 58: 1246-1249.
- COSTA M.C., ESTEVES F., ANTUNES F. & **MATOS O.** (2006). Multilocus genotyping of *Pneumocystis jirovecii* in immunocompromised patients: Preliminary results. *Journal of Eukaryotic Microbiology*, 53: S104–105.
- TOTET A., GRESILLON K., **MATOS O.**, LUNDGREN B., ROUX P., HAUSER P. & NEVEZ G. (2006). *Pneumocystis jirovecii* genotypes in European patients with chronic obstructive pulmonary diseases. *Journal of Eukaryotic Microbiology*, 53: S102–103.
- MAGALHÃES N., LOBO L. C., ANTUNES F. & **MATOS O.** (2006). Aves e cães como potencial fonte de infecção zoonótica por microsporídeos para o homem. *Revista Portuguesa de Ciências Veterinárias*, 101: 69-75.
- LOBO M.L., XIAO L., CAMA V., ANTUNES F. & **MATOS O.** (2006). Genotypes of *Enterocytozoon bieneusi* in mammals in Portugal. *Journal of Eukaryotic Microbiology*, 53: S61–64.
- **MATOS O.**, COSTA M. C., CORREIA I., MONTEIRO P., VIEIRA J. R., SOARES J., BONNET M., ESTEVES F. & ANTUNES F. (2006). Infecção por *Pneumocystis jirovecii* em imunocompetentes com patologia pulmonar, em Portugal. *Acta Médica Portuguesa*, 19: 121-126.
- LOBO M.L., SILVEIRA H., RAMOS S., XIAO L. & **MATOS O.** (2006). Characterization of a pathogen related to *Vavraia culicis* detected in a laboratory colony of *Anopheles stephensi*. *Journal of Eukaryotic Microbiology*, 53: S65–67.

- ALVES M., RIBEIRO A. M., NETO C., FERREIRA E., BENOLIEL M. J., ANTUNES F. & **MATOS O.** (2006). Distribution of *Cryptosporidium* species and subtypes in water samples, in Portugal: A preliminary study. *Journal of Eukaryotic Microbiology*, 53: S24-25.
- ALVES M., XIAO L., ANTUNES F. & **MATOS O.** (2006). Distribution of *Cryptosporidium* subtypes in humans and domestic and wild ruminants in Portugal. *Parasitology Research*, 99: 287-292.
- LEMOS V., GRACZYK T. K., ALVES M., LOBO M. L., SOUSA M. C., ANTUNES F. & **MATOS O.** (2005). Identification and determination of the viability of *Giardia lamblia* cysts, *Cryptosporidium parvum* and *Cryptosporidium hominis* oocysts in human faecal and water supply samples by fluorescent in situ hybridization (FISH) and monoclonal antibodies. *Parasitology Research*, 98: 48-53.
- COSTA M. C., GASPAR J., MANSINHO K., ESTEVES F., ANTUNES F. & **MATOS O.** (2005). Detection of *Pneumocystis jirovecii* dihydropteroate synthase polymorphisms in patients with *Pneumocystis* pneumonia. *Scandinavian Journal of Infectious Diseases*, 37: 766-771.
- ALVES M., XIAO L., LEMOS V., ZHOU L., CAMA V., BARÃO DA CUNHA M., **MATOS O.** & ANTUNES F. (2005). Occurrence and molecular characterization of *Cryptosporidium* spp. in mammals and reptiles at the Lisbon Zoo. *Parasitology Research*, 97: 108-112.
- **MATOS O.**, ALVES M., XIAO L. H., CAMA V. & ANTUNES F. (2004). *Cryptosporidium felis* and *C. meleagridis* in persons with HIV, Portugal. *Emerging Infectious Diseases*, 10: 2256-2257.
- **MATOS O.**, LOBO M. L., TELES A. & ANTUNES F. (2004). Is microsporidial infection in animals a potential source for human microsporidiosis? *Southeast Asian Journal of Tropical Medicine and Public Health*, 35 (Suppl 1): 48-53.
- SULAIMAN I. M., FAYER R., YANG C., SANTIN M., **MATOS O.** & XIAO L. (2004). Molecular characterization of *Enterocytozoon bieneusi* in cattle indicates that only some isolates have zoonotic potentials. *Parasitology Research*, 92: 328-334.
- SULAIMAN I. M., **MATOS O.**, LOBO M. L. & XIAO L. (2003). Identification of a new microsporidian parasite related to *Vittaforma corneae* in HIV-positive and HIV-negative patients from Portugal. *Journal of Eukaryotic Microbiology*, 50: 586-590.
- **MATOS O.**, COSTA M. C., CORREIA I., MONTEIRO P., MONTEIRO M., SOARES J., VIEIRA J. R., BONNET M. & ANTUNES F. (2003). *Pneumocystis jirovecii* carriage in Portuguese immunocompetent patients: preliminary results. *Journal of Eukaryotic Microbiology*, 50: 647-648.
- DELGADO E., PEREIRA DA FONSECA I., FAZENDEIRO M. I., **MATOS O.**, ANTUNES F. & BARÃO DA CUNHA M. (2003). Estudo preliminar da criptosporidiose nos ruminantes silváticos do Jardim Zoológico de Lisboa. *Revista Portuguesa de Ciências Veterinárias*, 98: 39-42.
- COSTA M. C., GASPAR J., RIBEIRO C., ANTUNES F. & **MATOS O.** (2003). Dihydropteroate synthase (DHPS) genotyping by PCR-RFLP analysis of *Pneumocystis jirovecii* repeated isolates from HIV-infected patients: a preliminary study. *Journal of Eukaryotic Microbiology*, 50: 607-608.

- LOBO M. L., TELES A., BARÃO DA CUNHA M., HENRIQUES J., LOURENÇO A. M., ANTUNES F. & **MATOS O.** (2003). Microsporidia detection in stools from pets and animals from the Zoo, in Portugal: a preliminary study. *Journal of Eukaryotic Microbiology*, 50: 581-582.
- ALVES M., **MATOS O.** & ANTUNES F. (2003). Microsatellite analysis of *C. hominis* and *C. parvum* in Portugal: a preliminary study. *Journal of Eukaryotic Microbiology*, 50: 529-530.
- DELGADO E., PEREIRA DA FONSECA I., FAZENDEIRO I., **MATOS O.**, ANTUNES F. & CUNHA M. B. (2003). *Cryptosporidium* spp. in ruminants at the Lisbon Zoo. *Journal of Zoo and Wildlife Medicine*, 34: 352-356.
- **MATOS O.**, LEE C-H., JIN S., LI B., COSTA M. C., GONÇALVES L. & ANTUNES F. (2003). *Pneumocystis jiroveci* in Portuguese immunocompromised patients: association of specific ITS genotypes with treatment failure, bad clinical outcome and childhood. *Infection, Genetics and Evolution*, 3; 281-285.
- COSTA M. C., HELWEG-LARSEN J., LUNGREN B., ANTUNES F. & **MATOS O.** (2003). Mutations in the dihydropteroate synthase gene of *Pneumocystis jiroveci* isolates from Portuguese patients with Pneumocystis pneumonia. *International Journal of Antimicrobial Agents*, 22; 516-520.
- ALVES M., XIAO L., SULAIMAN I., LAL A. A., **MATOS O.** & ANTUNES F. (2003). Subgenotype analysis of *Cryptosporidium* isolates from humans, cattle, and zoo ruminants in Portugal. *Journal of Clinical Microbiology*, 41: 2744-2747.
- **MATOS O.**, LOBO M. L., GONÇALVES L. & ANTUNES F. (2002). Diagnostic use of 3 techniques for identification of microsporidian spores among AIDS patients in Portugal. *Scandinavian Journal of Infectious Diseases*, 34: 591-593.
- COSTA M. C., HELWEG-LARSEN J., ANTUNES F., LUNDGREN B., DIOGO J. & **MATOS O.** (2001). PCR-RFLP Analysis of DHPS gene for the study of resistance of *Pneumocystis carinii* to sulpha drugs in patients with co-infection PCP/HIV. *Journal of Eukaryotic Microbiology*, Supl: S148-S149.
- **MATOS O.**, LOBO M. L. & ANTUNES, F. (2001). Methodology of the diagnosis of microsporidiosis in urine and pulmonary specimens from AIDS patients. *Journal of Eukaryotic Microbiology*, Supl: S69-S70.
- PENG M. M., **MATOS O.**, GATEI W., DAS P., STANTIC-PAVLINIC M., BERN C., SULAIMAN I. M., GLABERMAN S., LAL A. A. & XIAO L. H. (2001). A comparison of *Cryptosporidium* subgenotypes from several geographic regions. *Journal of Eukaryotic Microbiology*, Supl: S28-S31.
- ALVES M., **MATOS O.**, FONSECA I., DELGADO E., LOURENÇO A.M. & ANTUNES F. (2001). Multilocus genotyping of *Cryptosporidium* isolates from human HIV-infected and animal hosts. *Journal of Eukaryotic Microbiology*, Supl: S17-S18.
- **MATOS O.**, COSTA M. C., LUNDGREN B., CALDEIRA L., AGUIAR P. & ANTUNES F. (2001). Effect of oral washes on the diagnosis of *Pneumocystis carinii* pneumonia with a low parasite burden and on detection of organisms in subclinical infections. *European Journal of Clinical Microbiology & Infectious Diseases*, 20: 573-575.

- ALVES M., **MATOS O.** & ANTUNES F. (2001). Multilocus PCR-RFLP analysis of *Cryptosporidium* isolates from HIV-infected patients from Portugal. *Annals of Tropical Medicine & Parasitology*, 95: 627-632.
- ALVES M., **MATOS O.**, SPANO F. & ANTUNES F. (2000). PCR-RFLP analysis of *Cryptosporidium parvum* isolates from HIV-infected patients in Lisbon, Portugal. *Annals of Tropical Medicine and Parasitology*, 94: 291-297.
- **MATOS O.**, COSTA M. C., CALDEIRA L., MANSINHO K., AGUIAR P., FORTE M., PEDRO M. & ANTUNES F. (2000). Diagnóstico da pneumonia por *Pneumocystis carinii* (PPC) – Avaliação de duas técnicas de PCR, aplicadas a amostras de soro de doentes imunocomprometidos. *Revista Portuguesa de Doenças Infecciosas*, 4: 152-155.
- **MATOS O.**, LUNDGREN B., CALDEIRA L., MANSINHO K., AGUIAR P., FORTE M. & ANTUNES F. (2000). Evaluation of two nested polymerase chain reactions for diagnosis of *Pneumocystis carinii* pneumonia in immunocompromised patients. *Clinical Microbiology and Infection*, 6: 149-152.
- **MATOS O.**, LUNDGREN B., CALDEIRA L., MANSINHO K., AGUIAR P., FORTE M. & ANTUNES F. (1999). Evaluation of a nested PCR for detection of *Pneumocystis carinii* in serum from immunocompromised patients. *Journal of Eukaryotic Microbiology*, 46: S104- S105.
- **MATOS O.**, LUNDGREN B., AGUIAR P., COSTA M. & ANTUNES F. (1999). Comparison of four methods of extraction of *Pneumocystis carinii* DNA from pulmonary specimens and serum. *Journal of Eukaryotic Microbiology*, 46: S102-S103.
- LEE C. H., TANG X., JIN S., LI B., BARTLETT M. S., LUNDGREN B., HELWEG-LARSEN J., OLSSON M., VERMUNG S. H., LUCAS S.B., ROUX P., ATZORI C., **MATOS O.** & SMITH J. W. (1998). Update on *Pneumocystis carinii* f. sp. *hominis* typing based on nucleotide sequence variations in the internal transcribed spacer regions of RNA genes. *Journal of Clinical Microbiology*, 36: 734-741.
- **MATOS O.**, TOMÁS A., AGUIAR P., CASEMORE D. & ANTUNES F. (1998). Prevalence of cryptosporidiosis in AIDS patients with diarrhoea in Santa Maria Hospital, Lisbon. *Folia Parasitologica*, 45: 162-165.
- **MATOS O.***, AZEVEDO P., CALDEIRA L., MENDES A. C., ARAÚJO A. T., FORTE M. & ANTUNES F. (1995). Estudo comparativo de três métodos morfológicos para diagnóstico da pneumonia por *Pneumocystis carinii* (PPC) em infectados por vírus da imunodeficiência humana (VIH). *Revista Portuguesa de Doenças Infecciosas*, 18: 135-138.
- SHAWLER T. H., HUBBART VAN S., REICHERT C. M., **MATOS O. M. G.** (1983). Cystic ovaries in cystic fibrosis: an ultrasound and autopsy study. *Journal of Ultrasound Medicine*, 2: 439-444.

-Other Papers:

- VIVEIROS M. & **MATOS O.** (2017). IV Congresso Nacional de Medicina Tropical do IHMT/NOVA: temáticas abordadas, contexto histórico, impacto global e nos países da CPLP. *Anais do Instituto de Higiene e Medicina Tropical*, 16: 07-14.
- **MATOS O.** & ESTEVES F. (2013). *Pneumocystis* e pneumocistose: um problema de saúde pública à escala global? Opinion article, *SIDA*, 1 (4): 8.

- **MATOS O.** (2012). Protozooses intestinais e microsporídiã. *Anais - Instituto de Higiene e Medicina Tropical* – Comemorativa Edition, 11: 51-52.
http://www.ihmt.unl.pt/Biblioteca/Anais/HTMLS/Vol11_2012/index.html
- ESTEVES F. & **MATOS O.** (2012). Colaboraões Científicas: A investigaão científica no âmbito da Pneumocistose, uma importante doena infecciosa oportunista. Viewpoint article, *News@FMUL*, 26, Fevereiro-Maro:1-4.
<http://news.fm.ul.pt/Backoffice/UserFileFile/News26/Olga%20Matos.pdf>
- DELGADO E., PEREIRA DA FONSECA I., FAZENDEIRO M., **MATOS O.** & ANTUNES F. (2000). Alguns aspectos sobre a criptosporidiose nos ruminantes silváticos do Jardim Zoológico de Lisboa. *Acta Parasitológica Portuguesa*, 7 (1-2): 33-38. ISSN 0872-5292
- LOURENO A. M., BRUNO DE SOUSA C., **MATOS O.**, ALVES M., PEREIRA DE FONSECA I. M. & ANTUNES F. (2000). Estudo preliminar da criptosporidiose em gamos (*Dama dama* L.) de Tapada Nacional de Mafra (Portugal). *Acta Parasitológica Portuguesa*, 7 (1-2): 29-31. ISSN 0872-5292
- **MATOS O.**, VERDELHO C., COSTA M. C., GONALVES L. & ANTUNES F. (2000). Avaliaão de um método de amplificaão de ácidos nucleicos por reacão em cadeia da polimerase (PCR) para o diagnóstico da pneumonia por *Pneumocystis carinii* em secreões pulmonares. *Acta Parasitológica Portuguesa*, 7 (1-2): 25-28. ISSN 0872-5292.

-Chapters in Books and Books:

- **MATOS O.**, XIAO L. editores. (2021). Recent Advances in the Controversial Human Pathogens *Pneumocystis*, Microsporidia and *Blastocystis*. Lausanne: Frontiers Media SA. doi: 10.3389/978-2-88971-156-7
- **MATOS O.** (2018). Pneumocistose e toxoplasmose. In: Manual sobre sida, 5ª edião. Francisco Antunes (editor). Permanyer Portugal, V Secão, Cap. 4.2, pp. 103-112. ISBN: 978-84-17221-23-2. Ref: 3043AP161
- **MATOS O.**, TOMÁS A. L., ANTUNES F. (2017). *Pneumocystis jirovecii* and Pneumocystosis. In: Current Progress in Medical Mycology. Montes H. M. M & Lopes-Bezerra L. M. (editores). SPRINGER, Cap. 7, pp. 215-254. DOI: 10.1007/978-3-319-64113-3_7
- **MATOS O.**, ESTEVES F. (2016). Laboratory diagnosis of *Pneumocystis jirovecii* pneumonia. In: Microbiology of respiratory system infection. Kon K. & Rai M. (editores). ELSEVIER, Cap. 13, pp. 185-210. DOI: 10.1016/B978-0-12-804543-5.00013-0
- **MATOS O.**, LOBO M. L. (2016). *Enterocytozoon*. In: Molecular Biology of Food and Water borne Mycotoxicogenic and Mycotic Fungi. R. Russel M. Paterson & Nelson Lima (editores). Food Microbiology Series (series editor: Dongyou Liu), CRC Press, Cap. 20, pp. 293-321. ISBN 9781466559868
- CARDOSO F., **MATOS O.** (2013). Screening of methanol Portuguese ethno botanical plant extracts for the antimicrobial activity. In: Worldwide Research Efforts in the Fighting against

Microbial Pathogens: From Basic Research to Technological Developments. A. Méndez-Vilas (editor). BrownWalker Press, Boca Raton, FL, USA, pp. 235-238. ISBN 9781612336367

- **MATOS O.**, ÂNGELO H., ANTUNES F. (2011). Protozoários oportunistas e *Pneumocystis jirovecii*. In: Manual sobre sida, 4ª edição. Francisco Antunes (editor). Permanyer Portugal, V Secção, Cap. 2, pp. 139-154. ISBN 9789737332533
- **MATOS O.** (2008). Zoo and Wild Mammals. In: *Cryptosporidium* and Cryptosporidiosis, 2ª edição. Ronald Fayer & Lihua Xiao (editores). Taylor & Francis Group, CRC Press, Cap. 16, pp. 419-436. ISBN 9781420052268
- **MATOS O.**, ÂNGELO H., ANTUNES F. (2008). Protozoários oportunistas e *Pneumocystis jirovecii*. In: Manual sobre SIDA, 3ª edição. Francisco Antunes (editor). Permanyer Portugal, V Secção, Cap. 2, pp. 141-158. ISBN 978-972-733-223-6
- **MATOS O.**, LOBO M. L., TELES A., ANTUNES F. (2007). Is microsporidial infection in animals a potential source for human microsporidiosis? In: Proceedings of the workshop on waterborne human microsporidia. Frank W. Schaefer III e H. D. Alan Lindquist (editores). U. S. Environmental Protection Agency, Cap. 3, pp. 57-66. EPA/600/R-07/087
- **MATOS O.**, ÂNGELO H., ANTUNES F. (2004). Protozoários oportunistas e *Pneumocystis*. In: Manual sobre SIDA, 2ª edição. Francisco Antunes (editor). Permanyer Portugal, V Secção, Cap. 2, pp. 109-122. ISBN 9727331467
- **MATOS O.**, ÂNGELO H., ANTUNES F. (2001). *Pneumocystis* e outros protozoários. In: Manual sobre SIDA, Francisco Antunes (editor). Permanyer Portugal, V Secção, Cap. 2, pp. 105-118. ISSN 08724814

-Published Sequences in International Database of Reference:

- VIEIRA P. M., MEDERLE N., IMRE K., LOBO M. L., MEDERLE O., XIAO L., DARABUS G. & **MATOS O.** (2013). Molecular sequences of the gene coding for surface glycoprotein 60 (gp60) of *Cryptosporidium parvum*, deposited in the GenBank of the NCBI with accession numbers KC469687, KC469688, KC469689, KC469690, KC469691, KC469692, KC469693, KC469694.
- FERNANDES C.B., ESTEVES F. & **MATOS O.** (2012). Molecular sequences of the cytochrome *b* (*CYB*) of *Pneumocystis jirovecii*, deposited in the GenBank of the NCBI with accession numbers JX292733, JX292734, JX292735 e JX292736.
- ESTEVES F., ESGALHADO R., ANTUNES F. & **MATOS O.** (2011). Molecular sequences of the large subunit of the mitochondrial rRNA (*mtLSU rRNA*) of *Pneumocystis* f. sp. *suís*, deposited in the GenBank of the NCBI with accession numbers JN887823 e JN887824.

- FENG Y., LI N., DEAREN T., LOBO M. L., MATOS O., CAMA V. & XIAO L. (2011) Molecular sequences of *Enterocytozoon bieneusi* deposited in the GenBank with accession numbers HQ615883 to HQ615925, JF927952 to JF927959, and JF951428 to JF951430.
- ESTEVES F., GASPAR J., TAVARES A., MOSER I., ANTUNES F., MANSINHO K. & **MATOS O.** (2010). Molecular sequences of *Pneumocystis jirovecii* deposited in the GenBank with accession numbers EU979566, EU979567, EU979568, EU979569, EU979570, EU979571 e EU979572.
- ESTEVES F., BENTO D., MANSINHO K. & **MATOS O.** (2010). Molecular sequences of *Pneumocystis jirovecii* deposited in the GenBank with accession numbers GU479992 e GU479993.
- ESTEVES F. & **MATOS O.** (2010). Molecular sequence of *Pneumocystis jirovecii* deposited in the GenBank with accession number GU479994.
- ESTEVES F., TAVARES A., COSTA M. C., GASPAR J., ANTUNES F. & **MATOS O.** (2009). Molecular sequences of *Pneumocystis jirovecii* deposited in the GenBank with accession numbers EU431323, EU431324, EU431325, EU431326, EU431327, EU437385, EU797518 e EU797519.
- ALVES M., XIAO L., SULAIMAN I., LAL A. A., **MATOS O.** & ANTUNES F. (2008). Molecular sequences of *Cryptosporidium hominis* deposited in the GenBank with accession numbers AY166810, AY166808, AY166807.
- PENG M. M., **MATOS O.**, GATEI W., DAS P., STANTIC-PAVLINIC M., BERN C., SULAIMAN I. M., GLABERMAN S., LAL A. A. & XIAO L. (2008). Molecular sequences of *Cryptosporidium parvum* deposited in the GenBank with accession numbers AF403785, AF402288, AF402287, AF402286, AF402285.
- SULAIMAN I. M., FAYER R., YANG C., SANTIN M., **MATOS O.** & XIAO L. (2008). Molecular sequences of *Enterocytozoon bieneusi* deposited in the GenBank with accession numbers AY331010, AY331009, AY331008, AY331007, AY331006, AY331005.
- LOBO M. L., XIAO L., CAMA V., MAGALHAES N., ANTUNES F. & **MATOS O.** (2007). Molecular sequences of *Encephalitozoon hellem* deposited in the GenBank with accession numbers. DQ425106, DQ425105, DQ425104.
- LOBO M. L., XIAO L., CAMA V., STEVENS T., ANTUNES F. & **MATOS O.** (2007). Molecular sequences of Sequências moleculares de *Enterocytozoon bieneusi* deposited in the GenBank with accession numbers DQ885583, DQ885582.
- ALVES M., XIAO L., **MATOS O.** & ANTUNES F. (2006). Molecular sequences of *Cryptosporidium hominis* deposited in the GenBank with accession numbers DQ280499, DQ280498, DQ280497, DQ280496, DQ280495, DQ280494.
- COSTA M. C., ESTEVES F., ANTUNES F. & **MATOS O.** (2006). Molecular sequences of *Pneumocystis jirovecii* deposited in the GenBank with accession numbers DQ417355, DQ417356, DQ417357, DQ417358, DQ417359 e DQ417360.

- LOBO M. L., XIAO L., CAMA V., MAGALHAES N., ANTUNES F. & **MATOS O.** (2006). Molecular sequences of *Enterocytozoon bieneusi* deposited in the GenBank with accession numbers DQ425108, DQ425107.
- LOBO M. L., XIAO L., CAMA V., STEVENS T., ANTUNES F. & **MATOS O.** (2006). Molecular sequences of *Enterocytozoon bieneusi* deposited in the GenBank with accession numbers DQ885588, DQ885587, DQ885586, DQ885585, DQ885584, DQ885581, DQ885580, DQ885579.
- PENG M. M., **MATOS O.**, GATEI W., DAS P., STANTIC-PAVLINIC M., BERN C., SULAIMAN I. M., GLABERMAN S., LAL A. A. & XIAO L. (2005). Molecular sequences of *Cryptosporidium parvum* deposited in the GenBank with accession numbers AF403165, AF403177, AF403176, AF403175, AF403174, AF403173, AF403172, AF403171, AF403170, AF403169, AF403168, AF403167, AF403166.
- SULAIMAN I. M., **MATOS O.**, LOBO M. L. & XIAO L. (2004). Molecular sequences of *Vittaforma-like* deposited in the GenBank with accession numbers AY375044, AY375043.
- ALVES M., XIAO L., SULAIMAN I. M., LAL A. A., **MATOS O.** & ANTUNES F. (2003). Molecular sequences of *Cryptosporidium parvum* deposited in the GenBank with accession numbers AY166809, AY166806, AY166805, AY166804.
- **MATOS O.**, LEE C. H., JIN S., LI B., COSTA M. C., GONCALVES L. & ANTUNES F. (2003). Molecular sequence of *Pneumocystis jirovecii* deposited in the GenBank with accession number AY390601.
- LEE C. H., HELWEG-LARSEN J., TANG X., JIN S., LI B., BARTLETT M. S., LU J. J., LUNDGREN B., LUNDGREN J. D., OLSSON M., LUCAS S. B., ROUX P., CARGNEL A., ATZORI C., **MATOS O.** & SMITH J. W. (1999). Molecular sequences of the ITS regions of *Pneumocystis jirovecii* deposited in the GenBank with accession numbers ITS1A, AF013806; ITS1B, AF013807; ITS1C, AF013808; ITS1D, AF013809; ITS1E, AF013810; ITS1F, AF013811; ITS1G, AF013812; ITS1H, AF013813; ITS1I, AF013814; ITS1J, AF013815; ITS1K, AF013816; ITS1L, AF013817; ITS1M, AF013818; ITS1N, AF013819; ITS1O, AF013820; ITS2a, AF013821; ITS2b, AF013822; ITS2c, AF013823; ITS2d, AF013824; ITS2e, AF013825; ITS2f, AF013826; ITS2g, AF013827; ITS2h, AF013828; ITS2i, AF013829; ITS2j, AF013830; ITS2k, AF013831; ITS2l, AF013832; ITS2m, AF013833; and ITS2n, AF013834.

9. PATENTS

Matos OMG, Cardoso FMH, Esteves FVC, Chocalheiro ALRT. Antígeno recombinante sintético de *Pneumocystis jirovecii* e suas aplicações, PT109078, submission 01-11-2016, concession 15-04-2020.

10. RESEARCH PROJECTS

–**Coordinator/Co-coordinator** of 18 Research Projects with External Funding, and of 15 Internally Funded Research Projects. **Member** of 9 Research Projects with External Funding, 7 Internally Funded Research Projects, and 2 Strategic Projects

- Coordinator of Research Projects with External Funding:

- ERANET financed by FP7 Project CAPRI-PC / ELAC2014/HID0254 (2015-2018) “Recognition of the primary infection by *Pneumocystis* in infants: a silent threat to public health” (Co-PI, PI: Sergio Vargas).
- SFRH/BD/108433/2015 (2015-2019) “Development of an innovative approach for immunonodiagnosis of *Pneumocystis* pneumonia at the point-of-care”.
- Gilead GÉNESE - PGG/001/2014 (2015-2016) “Immunonano diagnosis of *Pneumocystis* pneumonia (PCP): an innovative approach based on the association of serological biosensors and nanoparticles”.
- VIH/SAU/0019/2011 (2014-2016) “Toxoplasmose/Sida: Papel da família de proteínas disulfito isomerase (PDI) na invasão da célula hospedeira, pelo agente patogénico *Toxoplasma gondii*”.
- PTDC/SAU-MIC/116716/2010 (2012-2014) “Relevância clínica de múltiplos marcadores genéticos na pneumonia por *Pneumocystis jirovecii* (PPc): Novas metodologias de alto rendimento para aplicação à epidemiologia molecular e diagnóstico”.
- MERCK SHARP AND DOHME (MSD) # 38903 (2011-2012) “Efficacy of Caspofungin and Caspofungin in association with TMP-SMZ in mice models of *Pneumocystis* (Preliminary study)”.
- FCT/PTDC/SAU-MII/104231/2008 e Associates of Cape Cod Incorporated (2010-2013) “The Role of B-glucan in *Pneumocystis jirovecii* Pneumonia (PcP): A new diagnostic tool”.
- FCT/SFRH/BD/46558/2008 (2009-2013) “Studies on the recombinant antibodies (scFv) and peptides use for immunotherapy and vaccination of criptosporidiosis”.
- WACT (ONGD) / Associação para a Investigação e Desenvolvimento da Faculdade de Medicina de Lisboa (AIDFM) (2009-2012) “Prevalence and epidemiological aspects of parasitic infections in the child population of S. Tome and Principe”.
- ADMINISTRAÇÃO REGIONAL DE SAÚDE LISBOA E VALE DO TEJO / CONFAR (2008-2011) “Chagas disease: monitoring of cases in blood donors, from endemic regions living in the Lisbon area, as a blood transfusion prevention strategy”.
- FCT/SFRH/BD/34674/2007 (2008-2010) “Human microsporidiosis in Portugal: epidemiology and species characterization by parasitological and molecular techniques and electronic microscopy”.
- ASSOCIAÇÃO PARA A INVESTIGAÇÃO E DESENVOLVIMENTO DA FACULDADE DE MEDICINA DE LISBOA (AIDFM) (2008-2009) “Study of the epidemiology and potential pathogenicity of *Pneumocystis carinii* f. sp. *suis* in abattoir swine in Portugal”.
- SCHERING-PLOUGH FARMA, LDA (2007-2009) “*Pneumocystis jirovecii* pneumonia (PcP) in HIV-seropositive patients: prevalence and genetic diversity”.
- FCT/SFRH/BD/22193/2005 (2006-2009) “Identification of multiple markers in *Pneumocystis jirovecii*: relationship with clinical outcome”.
- FCT/FEDER – POCTI/ESP/46369/2002 (2003-2006) “Study of the transmission dynamics of *Cryptosporidium* using molecular analysis of isolates from humans, animals and water”.
- ASSOCIAÇÃO PARA A INVESTIGAÇÃO E DESENVOLVIMENTO DA FACULDADE DE MEDICINA DE LISBOA (AIDFM) (2001-2004) “Intestinal parasitoses in children from Cabo Verde – prospective study”.
- EU RESEARCH AND TECHNOLOGICAL DEVELOPMENT PROJECTS / QLK2-CT-2000-01369 (2000-2004) “Subclinical human *Pneumocystis carinii* infection in immuno-competent individuals: a public health issue in Europe”. (Co-PI; PI: Enrique Calderon).

- PROGRAMA DE DESENVOLVIMENTO EDUCATIVO PARA PORTUGAL (PRODEP) (1994-1997) “Comparative study of methods for the morphologic diagnosis of *Pneumocystis carinii*”.

- Member of Research Projects with External Funding:

- PEst -OE/SAU/LA0018/2013 (STRATEGIC PROJECT - LA 18 – 2013-2014)
- Strategic project of the Center for Malaria and other Tropical Diseases.
- PEst-OE/SAU/LA0018/2011 (STRATEGIC PROJECT - LA 18 - 2011-2012)
- Strategic project of the Center for Malaria and other Tropical Diseases.
- CMDT-LA (2011-2012) “The usefulness of serologic infection markers in *Pneumocystis jirovecii* pneumonia (PcP): A new diagnostic approach”. (PI: Francisco Esteves).
- FCT/POCTI/ESP/38215/2001 (2002-2005) “Study of *Pneumocystis carinii* resistance to sulphamethoxazole in AIDS patients”. (PI: Francisco Antunes).
- FCT/POCTI/ESP/43635/2000 (2001-2004) “Study of the epidemiology and genetic diversity of *Cryptosporidium parvum* in Portugal”. (PI: Francisco Antunes).
- EU Biomed 2 /CORDIS BMH4 CT97 2557 / BIIIR PE0023-P (1997-1999) “Molecular typing of *Cryptosporidium parvum*: monitoring of strain variation in AIDS patients and identification of transmission routes”. (Co-PI: Francisco Antunes; PI: Andrea Crisanti).
- COMISSÃO NACIONAL DE LUTA CONTRA A SIDA (CNLCS) (1995-1997) “Molecular biology techniques applied to the diagnosis of *Pneumocystis carinii* in the AIDS patients”. (PI: Francisco Antunes)
- NCI, NIH, Bethesda, USA (1982-1983) “Antigenic phenotyping of breast cancer, employing monoclonal antibodies and immunohistochemistry”. (PI: Cheryl M. Reichert, MD, PhD). Participated as a visiting researcher.
- NCI, NIH, Bethesda, USA (1982-1983) “Cystic ovaries in cystic fibrosis: an ultrasound and autopsy study”. (PI: Cheryl M. Reichert, MD, PhD). Participated as visiting researcher.

11. ADVISORY/SUPERVISORY RESPONSIBILITIES

Supervised/supervising 4 Post-doc grants, 7 PhD and 31 Master students, 16 undergraduate students; Trained, supervised, and sponsored 27 traineeships (national and international) in technical development and research, and was Co-Research/Training Supervisor for 17 postgraduate students and/or technicians.

12. AWARDS AND GRANTS

- National Prize of the Cuban Academy of Sciences awarded to scientific research work “*Pneumocystis jirovecii* en niños y adolescentes com diferentes enfermedades. Nuevos aportes al conocimiento” de Yaxsier de Armas Rodríguez (PI), Ernesto Monroy Vaca, Maria Teresa Illnait Zaragoza, Gilda Torano Peraza, Raúl Díaz Rodríguez, Dania Veja Mendoza, Ileana Álvarez Lam, Virginia Capó de Paz, Jorge E. Pérez Lastre, Geraldo Martínez Machín (co-authors) e Enrique Calderón, Olga Matos, Arturo Plascencia, Christen R. Stensvold (colaborators) (2017).
- Award “Gilead” to the project “Immunodiagnosis of *Pneumocystis pneumonia* (PCP): an innovative approach based on the association of serological biosensors and nanoparticles” (2014).
- Grant from the Scientific Community Support Fund (FACC) / FCT - Proc. 13/1/332 for financial support for the organization of the event “*Pneumocystis* and pneumocystosis: first meeting of experts from Latin-American and Portuguese-speaking countries” (2013).
- Grant from the Partnerships for Development, Gulbenkian Programme, to support the organization of the event “ *Pneumocystis* and pneumocystosis: first meeting of experts from Latin-American and Portuguese-speaking countries ” (2013).

- Award for “Second Best Poster” (as co-author) of the seventh Update Conference on Infectious Diseases of the Curry Cabral Hospital (2010).
- Burroughs-Wellcome Fund Grant for travel, Hawaii (2010).
- NIH Travel Grant, Boston (2008).
- Award for “Better Poster” (as co-author) II Reunión del Grupo EPOC de la SEMI, Valladolid, about “Pneumocystis colonization” (2007).
- Award “BAYER” to project “Molecular biology techniques applied to the diagnosis of *Pneumocystis carinii* in HIV-infected patients” (1995).
- Award “BAYER” to project “Study of the cellular immune response to *Pneumocystis carinii*” (1994).
- Doctorate studentship from PRODEP (1994-1997).

13. COMMUNICATIONS

Conference Communications (274).

- Invited Communications (66)

Protozoários e doenças associadas. MATOS O. Invited speaker at Módulo Princípios Básicos das Doenças Infeciosas, 17º Curso de Pós-Graduação em Doenças Infeciosas, Hospital Curry Cabral e Instituto de Saúde Ambiental, Lisboa, Portugal (2022).

Estudo multicêntrico do microbioma ambiental e das resistências fúngicas em unidades hospitalares de doentes críticos. MATOS O. Invited speaker at Instituto de Saúde Ambiental (ISAMB) I Encontro de Primavera, Casa das Histórias Paula Rego, Cascais, Portugal (2022).

Protozoários e doenças associadas. MATOS O. Invited speaker at Módulo Princípios Básicos das Doenças Infeciosas, 16º Curso de Pós-Graduação em Doenças Infeciosas, Hospital Curry Cabral e Instituto de Saúde Ambiental, Lisboa, Portugal (2021).

***Cryptosporidium* e criptosporidiose - One Health. MATOS O.** Invited speaker at One Health - Saúde humana, Saúde animal, Saúde ambiental. Curso de Pós-Graduação. Instituto de Saúde Ambiental da Faculdade de Medicina da Universidade de Lisboa, Portugal (2021).

Zoonotic Cryptosporidiosis: One Parasite - One Health. MATOS O. Invited speaker at online conference “Zoonosis – current public health problems in Europe”, Polish Society of Parasitology, Wroclaw, Polónia (2021).

Nanoparticle-Based Lateral-Flow Immunoassay for *Pneumocystis* Pneumonia Serological Diagnosis at Point-of-Care. MATOS O. Invited speaker at Global Health and Tropical Medicine (GHTM) Sessions, Instituto de Higiene e Medicina Tropical, Universidade NOVA de Lisboa, Lisboa, Portugal (2021).

Novas estratégias do diagnóstico em Parasitologia. MATOS O. Invited speaker at 15º Curso de Pós-Graduação em Doenças Infeciosas do Hospital Curry Cabral, Lisboa, Portugal (2021).

Overview of *Pneumocystis jirovecii* pneumonia in Portugal. Invited speaker at Symposium: Fungal infections in Portugal, X Congreso Latinoamericano de Micología, Santiago de Chile, Chile (2020).

Pneumonia por *Pneumocystis jirovecii* (PPc): abordagem diagnóstica. Invited speaker at Sessão sobre “Infeções respiratórias de etiologia fúngica”, Sociedade Portuguesa de Pneumologia, Lisboa, Portugal (2020).

Introduction to Medical Parasitology. MATOS O. Invited speaker at Mestrado em Bioquímica para a Saúde, ITQB, Universidade NOVA de Lisboa, Oeiras, Portugal (2020).

Novas estratégias de diagnóstico laboratorial em Parasitologia. Invited speaker at Ação de Formação 13º Curso de Pós-Graduação em Doenças Infeciosas, Auditório GlaxoSmithKline, Algés, Portugal (2019).

Innovative approaches to the serodiagnosis of *Pneumocystis pneumonia*: how close are we? Invited speaker at the Second NMS Symposium on Chronic Diseases and Translational Science, NOVA Medical School, Universidade Nova de Lisboa, Portugal (2018).

Intestinal parasitic diseases and environmental water. Invited speaker at the fourth International Forum on Medical and Veterinary Parasitology “Contemporary Epidemiology threats” organised by Department of Biology and Medical Parasitology, Wroclaw Medical University, Wroclaw, Poland (2018).

Application of synthetic recombinant multi-epitope antigens in an innovative point-of-care platform for serodiagnosis of *Pneumocystis pneumonia*. Invited speaker at Ciência 2018 - Science and Technology in Portugal Summit, Lisboa, Portugal (2018).

Utilização de Antígenos Sintéticos de *Pneumocystis jirovecii* no Imunodiagnóstico da Pneumocistose. Tomás AL, Cardoso F, Franco R, Matos O. Invited talk at fourth Congresso Nacional de Medicina Tropical, Lisboa, Portugal (2017).

Bionanoconjugates of Gold Nanoparticles and Synthetic Recombinant Antigen for Serological Diagnosis of *Pneumocystis Pneumonia*. Pinto M, Peixoto MP, Gomes I, Cardoso F, Tomás AL, Serro AP, Saramago B, Matos O, Pereira E, Franco R. Invited talk at fourth Congresso Nacional de Medicina Tropical, Lisboa, Portugal (2017).

Novas estratégias de diagnóstico laboratorial em Parasitologia. Invited talk at Ação de Formação 12º Curso de Pós-Graduação em Doenças Infeciosas, Auditório GlaxoSmithKline, Algés, Portugal (2017).

One Health and Zoonotic Diseases: the case of Cryptosporidiosis. Invited speaker at the third International Forum on Medical Parasitology, Wroclaw, Poland (2016).

Epidemiology and clinical relevance of *Pneumocystis jirovecii* dihydropteroate synthase gene mutations. Invited speaker at the International Conference for Prevention of infectious diseases & well-being - *Pneumocystis* infection, Sevilha, Espanha (2016).

Microsporidia as Emerging Pathogens and the Implications for Public Health. Invited speaker at “Human and Animals: Common Diseases” Second Euro-Regional Conference on Parasitic Zoonoses, Timisoara, Romania (2016).

Infeções parasitárias intestinais em seropositivos para VIH: desafios diagnósticos e terapêuticos. Invited speaker at Jornadas de Parasitologia VI subordinadas ao tema “Co-infeção VIH e agentes parasitários”, Escola Superior de Tecnologia da Saúde do Porto, Vila Nova de Gaia, Portugal (2016).

Herramientas moleculares para caracterización de *Pneumocystis*. Invited speaker at III Ibero-American *Pneumocystis* Network Conference & and first Meeting of the Project CAPRI-PC (HID-0254), Santiago, Chile (2015).

***Pneumocystis jirovecii* pneumonia. A public health problem?** Invited speaker at second International Forum on Medical Parasitology, Wroclaw, Poland (2015).

New diagnostic tools for *Pneumocystis jirovecii*: serologic markers. Invited speaker at Meet-the-Expert session (M4), 7th Trends in Medical Mycology, Lisboa, Portugal (2015).

Opportunistic Protists: what we know and what we have to know. Invited speaker at Emergent Harmful Protists in the Globalization Era (ISOP sponsored symposium S9A), VII ECOP-ISOP Joint Meeting, Seville, Spain (2015).

New High-throughput Methodologies in Epidemiology and Diagnosis of *Pneumocystis jirovecii* Pneumonia. Invited speaker at Workshop W9M Frontier-of-Knowledge in *Pneumocystis* infection, VII ECOP-ISOP Joint Meeting, Seville, Spain (2015).

Parasitas intestinais. Importância do diagnóstico molecular. Invited speaker at XIV Jornadas Nacionais de Infeciologia Pediátrica, Guimarães, Portugal (2015).

A biologia molecular e as doenças infecciosas. Invited speaker at Unidade Curricular Bioquímica Clínica dos Mestrados em Bioquímica e em Genética Molecular e Biomedicina da Faculdade de Ciências e Tecnologia, Universidade Nova de Lisboa (2015).

Parasitas intestinais de origem hídrica e o stress ambiental. Invited speaker at Seminário Internacional Água potável: acesso global, qualidade e microbiologia, IHMT, Lisboa, Portugal (2014).

***Cryptosporidium* infection in animals and humans: One parasite – One health.** Invited speaker at Human and Animals: Common Diseases. First Euro-Regional Conference on Parasitic Zoonoses, Timisoara, Romania (2014).

Estudo de biomarcadores serológicos no contexto da pneumonia por *Pneumocystis* (PPc). Esteves F, Calé SS, Seringa M, Badura R, De Sousa B, Fernandes C, Gaspar J, Lee CH, Antunes F, Matos O. Invited talk at “IBEROPNEUMOCYSTIS” (Ref. 212RT0450), CYTED Network 2012-2015 (Ibero American Programme for Science, Technology and Development), no Ciber en Epidemiología y salud pública, Hospital Universitario Virgen del Rocío de Sevilla, Facultad de Medicina, Universidad de Sevilla, Spain (2013).

Análise de múltiplos marcadores moleculares de *Pneumocystis jirovecii*: Genotipagem por MPCR/SBE. Esteves F., Fernandes C., Matos O. Invited talk at “IBEROPNEUMOCYSTIS” (Ref. 212RT0450), CYTED Network 2012-2015 (Ibero American Programme for Science, Technology and Development), no Ciber en Epidemiología y salud pública, Hospital Universitario Virgen del Rocío de Sevilla, Facultad de Medicina, Universidad de Sevilla, Spain (2013).

Taxonomy and epidemiology of *Pneumocystis jirovecii*. Invited speaker at “Workshop 18: *Pneumocystis* infection” do sixth Trends in Medical Mycology (TIMM-6), Copenhagen, Denmark (2013).

Epidemiologia da infeção por *Pneumocystis jirovecii*. Invited speaker at “Pneumocystis e Pneumocistose: 1º Encontro Ibero-americano e dos Países de Língua Oficial Portuguesa”, IHMT, UNL, Lisboa, Portugal (2013).

(1-3)-Beta-Glucano: marcador serológico para o diagnóstico laboratorial alternativo da pneumocistose. Esteves F, Matos O. Invited talk at “Workshop prático: o agente, a clínica e o diagnóstico” integrado no “*Pneumocystis* e Pneumocistose: 1º Encontro Ibero-americano e dos Países de Língua Oficial Portuguesa”, IHMT, UNL, Lisboa, Portugal (2013).

Avanços recentes no diagnóstico laboratorial da pneumocistose. Esteves F, Matos O. Invited talk at “*Pneumocystis* e pneumocistose: 1º Encontro Ibero-americano e dos Países de Língua Oficial Portuguesa”, IHMT, UNL, Lisboa, Portugal (2013).

As infecções oportunistas associadas à sida: o que se sabe sobre a pneumocistose em Moçambique. Sacarlal J, Passanduca A, Matos O, Nunes E. Invited talk at *Pneumocystis* e Pneumocistose: 1º Encontro Ibero-americano e dos Países de Língua Oficial Portuguesa, IHMT, UNL, Lisboa, Portugal (2013).

Tripanossomose humana africana. Invited speaker at Mestrado Integrado em Medicina, Faculdade de Medicina, Universidade de Lisboa, Lisboa, Portugal (2013).

***Trypanosoma cruzi* e doença de Chagas.** Invited speaker at Mestrado Integrado em Medicina, Faculdade de Medicina, Universidade de Lisboa, Lisboa, Portugal (2013).

Prevalência de anticorpos anti-*Toxoplasma gondii* em grávidas da região de Lisboa e Vale do Tejo e estudo dos factores de risco. Invited speaker at Reuniões Clínicas do Serviço de Obstetrícia/Ginecologia, do Hospital Garcia de Orta, Almada, Portugal (2012).

***Pneumocystis jirovecii* and *Toxoplasma gondii*: treatment, drug resistance and novel therapeutic perspectives.** Invited speaker at discussion panel of the Seminário sobre “Resistências”, Instituto de Higiene e Medicina Tropical, Lisboa, Portugal (2012).

Caracterização epidemiológica da giardíase e da criptosporidiose humanas em Portugal. Invited speaker at I Jornadas de Parasitologia, da Escola Superior de Tecnologia da Saúde do Porto, subordinadas ao tema “Giardia e Cryptosporidium”, Vila Nova de Gaia, Portugal (2011).

Epidemiologia molecular de *Cryptosporidium*: achados e aplicações. Invited speaker in Conference at XXII Congresso Brasileiro de Parasitologia, São Paulo, Brazil (2011).

Avanços na epidemiologia da microsporidiose: fontes e vias de transmissão. Member of Round Table about “Cryptosporidium and Microsporidia”, at XXII Congresso Brasileiro de Parasitologia, São Paulo, Brazil (2011).

Importância do β -glucano na pneumonia por *Pneumocystis jirovecii* (PPc): uma nova ferramenta de diagnóstico. Invited speaker at Sessões Científicas do Serviço de Hematologia e Transplante de Medula, do Hospital de Santa Maria, Lisboa, Portugal (2011).

Molecular epidemiology of emerging intestinal parasitoses. Invited speaker at XXXVI Annual Meeting of the Portuguese Society for Immunology, Braga, Portugal (2010).

Epidemiology and clinical relevance of *Pneumocystis* dihydropteroate synthase gene mutations. Invited speaker at “Pneumocystis Discovery Centennial Anniversary (PDCA). A Commemorative Conference. *Pneumocystis* Infection: Unraveling the Colonization-to-Disease Shift”, Brussels, Belgium (2009).

Molecular epidemiology of cryptosporidiosis in Portugal. Invited speaker at Annual Scientific Session “Actualities in Animals Breeding and Pathology”, Faculty of Veterinary Medicine, University of Agricultural Sciences, Banat Timisoara, Romania (2008).

Developing an identification system for genotypes of *Enterocytozoon bienersi*. Member of Panel of Discussion at X International Workshops on Opportunistic Protists (IWOP-10), Boston, USA (2008).

Protozoários intestinais emergentes: *Cryptosporidium*, *Cyclospora* e *Microsporidia*. Member of Round Table about “Paradigmas de doenças emergentes – Emerging Diseases Paradigms” at X Congresso Português de Parasitologia, Lisboa, Portugal (2006).

***Cryptosporidium* e outros protozoários intestinais – estudo em crianças Cabo-Verdianas.** Fernandes D, Ferreira F, Carvalho L, Matias M, Ferraria N, Lino S, Monteiro T, Furtado MS, Sena M, Moniz F, Dias N, Lobo ML, Antunes F, Matos O. Invited talk at Hospital Agostinho Neto, Cidade da Praia, Cabo-Verde (2005).

***Cryptosporidium* e criptosporidiose – epidemiologia e diagnóstico.** Invited speaker at Hospital Agostinho Neto, Cidade da Praia, Cabo-Verde (2004).

Parasitoses oportunistas – biologia e epidemiologia. Invited speaker at Conference about “Infecções parasitárias – Parasitic infections”, Instituto Nacional de Saúde Dr. Ricardo Jorge, Lisboa, Portugal (2004).

Human and animal microsporidiosis, in Portugal. Invited speaker at Advanced Research Workshop (ARW) intitulado “Emergent Pathogens in the 21st Century: First United Workshop on Microsporidia from Invertebrate and Vertebrate Hosts” financiado pela NATO, České Budějovice, Czech Republic (2004).

***Cryptosporidium* e criptosporidiose – epidemiologia e diagnóstico.** Invites speaker at Instituto de Medicina Tropical “Alexander von Humboldt”, Universidade Peruana Cayetano Heredia, Lima, Peru (2004).

Pneumonia por *Pneumocystis jirovecii* (PPc) – epidemiologia e diagnóstico. Invites speaker at Instituto de Medicina Tropical “Alexander von Humboldt”, Universidade Peruana Cayetano Heredia, Lima, Peru (2004).

Estudo da dinâmica de transmissão de *Cryptosporidium* spp. por análise molecular de isolados humanos, animais e águas, em Portugal. Invited speaker at Conferência Internacional sobre *Cryptosporidium* e *Giardia lamblia*, Instituto Nacional de Saúde Dr. Ricardo Jorge, Porto, Portugal (2004).

Protozoários intestinais emergentes. Member of Round Table Discussion about “Parasitoses emergentes – Emerging parasitoses”, at VII Congresso Português de Parasitologia, Lisboa, Portugal (2003).

Microsporidiosis / Is microsporidial infection in animals a potential source for human microsporidiosis? Member of Round Table at fourth Seminar on Food and Water-borne Parasitic Zoonoses and Joint International Tropical Medicine Meeting, Bangkok, Tailândia (2003).

Infecções Oportunistas. Member of Discussion Panel of Round Table at Workshop Infecção VIH. “A clínica e o laboratório: dois olhares, um objectivo”, Estoril, Portugal (2000).

Avanços recentes na caracterização de protozoários oportunistas na co-infecção VIH/SIDA (*Pneumocystis carinii*, *Cryptosporidium* spp., *Microsporidia*). Matos O, Costa MC, Alves M, Lobo ML. Member of Round Table Discussion at V Congresso Português de Parasitologia, Lisboa, Portugal (2000).

Infecção por *Pneumocystis carinii*: avanços no diagnóstico. Member of Round Table Discussion at I Reunião Multidisciplinar sobre Infecção por VIH/SIDA, Miraflares, Portugal (1997).

Diagnóstico da pneumocistose com anticorpos monoclonais. Member of Round Table Discussion at VII Jornadas de Clínica e Laboratório, Vimeiro, Portugal (1994).

Ciclo evolutivo dos plasmódios humanos. Invited speaker Scientific Meeting about “Malária - Malaria” organized by Conselho Científico e Pedagógico do Instituto de Higiene e Medicina Tropical (1989).

14. ORGANIZATION OF CONFERENCES

- **Coordinator/Organizer** of four International Congresses/Meetings.
- **Member of Organizing Committee** of 18 (11 international and 7 national) Congresses/Meetings and Workshops.
- **Member of Scientific Committee** of 18 (13 international and 6 national) Congresses/Conferences.

15. SCIENTIFIC COLLABORATIONS - close collaborations in the areas:

Pneumocystis - Chao-Hung Lee, Indiana University, USA; Lawrence Huang, University of California San Francisco, USA; Melanie Cushion, Cincinnati VA Medical Center, USA, International PCP Collaboration Group, NIH, USA, Malcolm Finkelman, Associates of Cape Cod Incorporated, USA; Yaxsier de Armas, Institute of Tropical Medicine, Pedro Kouri, La Habana, Cuba; Sérgio Vargas, Santiago do Chile, Chile; Gustavo Wissman, Porto Alegre, Brazil; Bettina Lundgren, Hvidovre Hospital, Denmark; Andrzej Hendrich and Marta Kicia, Wroclaw Medical University, Wroclaw, Poland; Enrique Calderon, Hospital Universitario Virgen del Rocío, Seville, Spain; Jahit Sacarlal, Universidade Eduardo Mondlane, Mozambique; Ricardo Franco, Faculty of Science and Technology, Portugal.

Intestinal Protozoa, Microsporidia and *Toxoplasma*: Lihua Xiao, CDC, Atlanta, USA; Thaddeus Graczyk, Johns Hopkins University, USA; Oleg Ditrich, University of South Bohemia, Czech Republic; Carmen del Aguila, Madrid, Spain; Andrzej Hendrich and Maria Wesolowska, Wroclaw Medical University, Wroclaw, Poland; Gheorghe Darabus and Narcisa Mederle, Timisoara, Romania; Regina M. Bueno Franco, São Paulo, Brazil; Bruno de Sousa, Universidade Coimbra, Portugal; and with several Portuguese institutions (Infectious Diseases Departments, Pulmonology Departments and Obstetrics Clinics of Santa Maria Hospital, Egas Moniz Hospital, Garcia d’Orta Hospital, Portuguese Institute of Blood, Center of Histocompatibility of Southern Portugal, Veterinary clinics, Faculty of Veterinary Medicine, Lisbon Water Distribution Company) and African Hospitals (Cape Verde, Angola, Sao Tome and Principe and Mozambique).