



## Curriculum Vitae

# Carla Alexandra Soares Maia

Carla Maia graduated in Veterinary Medicine (Universidade Técnica de Lisboa) in 2000, obtained MSc degree in Medical Parasitology in 2003 (IHMT, NOVA) and completed a PhD degree at the same Institution in Biomedical Sciences, specialization in Parasitology, in 2009. She is Specialist on Veterinary Parasitology by the European Veterinary Parasitology College recognized by the European Board of Veterinary Specialisation since 2018. Her h-index is 21. She has published 3 chapters in international books published by Springer and over 80 papers in international peer-review journals with impact factor in the areas of Parasitology, Tropical Medicine and Infectious Diseases. She has presented over 150 works at Conferences. C. Maia has acted as PI/PI representing IHMT/UNL in 8 projects (and 1 international network regarding leishmaniasis. She belonged to the Management committee of 2 COST-Actions (TD1303: European Network for Neglected Vectors and Vector-Borne Infections; TD1404: Network for Evaluation of One Health). She was a team member in 7 projects (3 sponsored by FCT, 3 by EU-FP6/7/European funds and 1 by Bill-Melinda Gates Foundation), in 8 networks (EU-FP6; Cyted) and worked as study director in a clinical study. Member of the Scientific Committee of ACL3 insectary responsible for experimental infections of sand flies. Member of the scientific committee of 7th International Congress on Leishmania and Leishmaniasis (2019-2021). Experience as scientific adviser: Opponent in 21 MSc (Brazil and Portugal) and 6 PhD theses (Brazil, Czech Republic, Portugal and Spain). External reviewer of 3 PhD theses (Spain). Ad-hoc reviewer for several journals (n=26) including Emerging Infectious Diseases, Trends in Parasitology, PLOS Neglected Tropical Diseases, Parasites & Vectors. Associate Editor of Parasites & Vectors (subject: Parasites of veterinary importance). To date, she supervised 22 MSc and 1 PhD students. Research: Leishmania and phlebotomine sand flies (epidemiology, diagnosis, fieldwork, vector-pathogen-host interactions; animal models; in vitro Leishmania susceptibility to drugs). In recent years, she has carried out studies on phleboviruses in humans, domestic animals and sand flies, and in agents transmitted by ticks and mosquitoes with zoonotic or veterinary importance.

## Identification

### Personal identification

Full name

Carla Alexandra Soares Maia

### Author identifiers

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<https://gthm.ihmt.unl.pt/profiles/carla-maia-2/> (Professional)

<https://gthm.ihmt.unl.pt/research/research-groups/vector-borne-diseases-pathogens-vbd/> (Professional)

## Knowledge fields

Agrarian Sciences - Veterinary Sciences

## Affiliation

### Science

2020/01/01 - Current	Auxiliary Researcher (Research) Universidade Nova de Lisboa Instituto de Higiene e Medicina Tropical, Portugal
2017/01/01 - 2019/12/31	Invited Auxiliary Researcher (Research) Universidade Nova de Lisboa Instituto de Higiene e Medicina Tropical, Portugal
2013/05/01 - 2015/11/29	Postdoc (Research) Fundação para a Ciência e a Tecnologia, I.P., Portugal
2009/05/01 - 2012/04/29	Postdoc (Research) Fundação para a Ciência e a Tecnologia, I.P., Portugal
2004/01/03 - 2008/12/31	Researcher (Research) Fundação para a Ciência e a Tecnologia, Portugal

### Teaching in Higher Education

2018/01/01 - 2018/12/31	Invited Assistant Professor (University Teacher) Universidade do Algarve - Campus de Gambelas, Portugal
2015/12/01 - 2016/12/31	Invited Assistant Professor (University Teacher) Universidade Nova de Lisboa Instituto de Higiene e Medicina Tropical, Portugal
2012 - 2016/01/01	Invited Assistant Professor (University Teacher) Universidade Lusófona de Humanidades e Tecnologias, Portugal

## Projects

### Contract

Designation

Funders

2017/01/01 - 2021/12/29	The emergence and spread of Phlebotomine sandfly-borne diseases: new challenges and possible threats IF/01302/2015  Principal investigator Universidade Nova de Lisboa Saúde Global e Medicina Tropical, Portugal	Fundaçao para a Ciência e a Tecnologia, Portugal
2017/10 - 2020/10	Learning to Investigate by Field Experiment for Southeast Asian Emerging Diseases 586245-EPP-1-2017-1-FR-EPPKA2-CBHE-JP  Principal investigator Universidade Nova de Lisboa Saúde Global e Medicina Tropical, Portugal	European Commission, Belgium
2011 - 2015	EDENext: Biology and control of vector-borne infections in Europe FP7-INCO-CT-2010-261504  Researcher Universidade Nova de Lisboa Saúde Global e Medicina Tropical, Portugal	European Commission Seventh Framework Programme for Research and Technological Development International Cooperation, Belgium
2011/04 - 2014/06	New Leishmania species and hybrids- risk of introduction and implications to the pathogeny of infection 112371 Provided by PTCRIS: 112371  Researcher	Fundaçao para a Ciência e a Tecnologia, I.P., Portugal
2014 - 2014	Emergence and spread of tick-borne pathogens NA  Principal investigator Universidade Nova de Lisboa Saúde Global e Medicina Tropical, Portugal	Universidade Nova de Lisboa Saúde Global e Medicina Tropical, Portugal
2013 - 2013	Contribuição para um estudo sobre a prevalência de zoonoses no distrito de Bragança POCTEP 0441_ZOONOSES_2_E  Researcher Universidade Nova de Lisboa Instituto de Higiene e Medicina Tropical, Portugal	European Commission, Belgium
2012 - 2012	The role of domestic cats in the epidemiology of zoonotic leishmaniasis NA  Principal investigator Universidade Nova de Lisboa Instituto de Higiene e Medicina Tropical, Portugal	Universidade Nova de Lisboa Instituto de Higiene e Medicina Tropical, Portugal

2008/02 - 2011/06	Design of copper, zinc and iron compounds with antileishmanial activity 72656 Provided by PTCRIS: 72656  Researcher	Fundaçao para a Ciéncia e a Tecnologia, I.P., Portugal
2010 - 2010	Ecology and transmission dynamics of visceral leishmaniasis in Ethiopia OPPGH5336  Researcher	Johns Hopkins University Bill and Melinda Gates Institute for Population and Reproductive Health, United States
2005/01 - 2009/12	Genetic studies on drug resistance and host susceptibility in Leishmania infantum infection 82366 Provided by PTCRIS: 82366 Provided by PTCRIS: 56357 56357  Researcher	Fundaçao para a Ciéncia e a Tecnologia, I.P., Portugal
2006 - 2009	Control strategies for visceral leishmaniasis (VL) and mucocutaneous leishmaniasis (MCL) in South America: applications of molecular epidemiology INCO-CT-2005-015407  Researcher Universidade Nova de Lisboa Instituto de Higiene e Medicina Tropical, Portugal	European Commission Sixth Framework Programme, Belgium
2005 - 2007	Monitoring risk factors of speading of leishmaniasis around the mediterranean basin FP6-509086-2003  Researcher Universidade Nova de Lisboa Instituto de Higiene e Medicina Tropical, Portugal	European Commission Sixth Framework Programme, Belgium

## Outputs

### Publications

- Book chapter 1 Campino, L; Maia, C. 2018. "The role of reservoirs: canine leishmaniasis". In *Drug Resistance in Leishmania Parasites – Consequences, Molecular Mechanism and Possible Treatments*, edited by A. Ponte-Sucre, M. Padron-Nieves, E. Diaz, 59-83. Viena, Austria: Springer International Publishing.  
Published

- 2 Maia, C; Dantas-Torres, F; Campino, L. 2018. "Parasite Biology: The Reservoir Hosts". In *The Leishmaniases: Old Neglected Tropical Diseases*, edited by F. Bruschi, L. Gradoni, 79-106. Viena, Austria: Springer International Publishing.  
Published
- 3 Campino, L; Maia, C. 2012. "The role of reservoirs: canine leishmaniasis". In *Drug Resistance in Leishmania Parasites – Consequences, Molecular Mechanism and Possible Treatments*, edited by A. Ponte-Sucre, M. Padron-Nieves, E. Diaz, 45-64. Viena, Austria: Springer International Publishing.  
Published
- 
- Conference abstract
- 1 Maia, C. 2019. "An overview of leishmaniasis epidemiology and its determinants". Paper presented in *XXI Congresso da Sociedade Espanhola de Parasitologia, Spain*.
- 2 Pereira, A.; Ayhan, N; Cristóvão, J; Wolf, P; Campino, L; Charrel, R; Maia, C. 2019. "Antibody response to Toscana virus, sandfly fever Sicilian virus and Phlebotomus perniciosus saliva in cats naturally exposed to sand fly bites". Paper presented in *10th International Symposium on Phlebotomine Sandflies, Ecuador*.
- 3 Cortes, S; Maia, C; Cristóvão, J; Bruno de Sousa, C; Afonso, MO; Campino, L. 2019. "Contributions for the treatment and control of Leishmaniases in the Era of overcoming Neglected Tropical Diseases". Paper presented in *Encontro Ciência 2019, Portugal*.
- 4 Abbate J; Gaglio G; Arfuso F; Caracappa G; Giannetto S; Pereira, A.; Maia, C; Brianti E. 2019. "Leishmania infection and blood meal sources in phlebotomine sand flies from Sicily". Paper presented in *73° Convegno Società Italiana delle Scienze Veterinarie*.
- 5 Maia, C; Cristóvão, J; Cortes, S; Afonso, MO; Parreira, R; Campino, L. 2018. "A double-sided perspective of leishmaniasis: the lab vs the field experiences". Paper presented in *1st International Caparica Congress on Leishmaniasis, Portugal*.
- 6 Albuquerque-Wendt, A; Cortes, S; Maia, C; Carvalho, M; Lima, L; Freitas, L.; dos-Santos, W; Campino, L. 2018. "L. infantum/L. major natural hybrids: insights on in vitro and in vivo phenotypic behavior". Paper presented in *1st International Caparica Congress on Leishmaniasis, Portugal*.
- 7 Pereira, A; Valente, J; Parreira, R; Girão, M; Cristóvão, J; Azinheira, S; Campino, L; Maia, C. 2018. "A case of feline leishmaniosis with involvement of mammary gland". Paper presented in *1st International Caparica Congress on Leishmaniasis, Portugal*.
- 8 Colella V; Maia, C; Pereira, A; Scandale, I; Dantas-Torres, F; Otranto, D. 2018. "Research needs to tackle zoonotic onchocercosis caused by Onchocerca lupi". Paper presented in *30th SolPa congress: Mutamenti Ambientali e Parassiti, Italy*.

- 9 Pereira, A.; Cristóvão, J; Coimbra, M; Martins, A.; Campino, L; Maia, C. 2018. "Primeiro registo da deteção molecular de Rickettsia conorii em gatos em Portugal". Paper presented in *VIII Encontro de Formação da Ordem dos Médicos Veterinários, Portugal*.
- 10 Colella, V; Maia, C; Pereira, A.; Scandale, I; Otranto, D. 2018. "Evaluation of oxfendazole in the treatment of zoonotic Onchocerca lupi infection in dogs". Paper presented in *British Society for Parasitology Spring Meeting, United Kingdom*.
- 11 Pereira, A.; Parreira, R; Cotão, A; Nunes, M.; Vieira ML; Azevedo F; Campino, L; Maia, C. 2017. "Domestic and wild animals from the centre and south of Portugal are hosts for multiple tick-borne bacteria and protozoa". Paper presented in . *4th Conference on Neglected Vectors and Vector-Borne Diseases (EurNegVec): with MC and WG Meeting of the COST Action TD1303*, Greece.
- 12 Muñoz C; Ayhan N; Bernal L; Ortúñoz M; Ortiz J; Maia, C; Berriatua E; Charrel R. 2017. "Viral and antibody kinetics in dogs experimentally infected with sandfly transmitted Toscana and Sicilian virus". Paper presented in *4th Conference on Neglected Vectors and Vector-Borne Diseases (EurNegVec): with MC and WG Meeting of the COST Action TD1303*, Greece.
- 13 Ortúñoz M; Risueño J; Muñoz C; Bernal A; Ortiz J; Maia, C; Cristóvão, J; et al. 2017. "Intraspecific diversity of Leishmania infantum from human, domestic and wild animal hosts". Paper presented in *4th Conference on Neglected Vectors and Vector-Borne Diseases (EurNegVec): with MC and WG Meeting of the COST Action TD1303*, Greece.
- 14 Maia, C; Alwassouf S; Cristóvão, J; Ayhan N; Pereira, A.; Richet H; Bichaud L; Charrel R; Campino, L. 2017. "Seroprevalence of Leishmania infantum, Toscana virus and sandfly fever Sicilian virus in kennelled dogs from Portugal". Paper presented in *Sixth World Congress on Leishmaniasis, Spain*.
- 15 Vilela M; Rangel E; Pita-Pereira D; Pereira, T.; Cristóvão, J; Maia, C; Campino, L; Magalhães M; Afonso, MO. 2016. "Distribuição e abundância de flebótomos (Diptera, Psychodidae), vetores de Leishmania sp., no Distrito de Castelo Branco, Portugal. Realização do primeiro estudo flebotomínico". Paper presented in *XVII Congresso Ibérico de Entomologia, Portugal*.
- 16 Maia, C. 2016. "Can Sergentomyia sp. play a role in the transmission of human and animal leishmaniases?". Paper presented in *9th International Symposium on Phlebotomine Sandflies*.
- 17 Henriques G; Vilhena H; Tvarijonaviciute A; Cerón J; Maia, C; Pereira, A.; Ferreira, R.. 2016. "Determinação da concentração sérica de lipase DGGR, lipase DIG e proteínas de fase aguda em cães com babesiose". Paper presented in *XII Congresso Hospital Veterinário Montenegro, Portugal*.
- 18 Maia, C. 2015. "Epidemiologia das leishmanioses em Portugal no século XXI". Paper presented in *VI Encontro de Formação da Ordem dos Médicos Veterinários, Portugal*.

- 19 Maia, C. 2015. "Agentes patogénicos felinos transmitidos por vetores em Portugal". Paper presented in *VI Encontro de Formação da Ordem dos Médicos Veterinários, Portugal.*
- 20 Pereira, A.; Vilhena H; Brancal H; Martins, A.; Maia, C. 2015. "Deteção de parasitas gastrointestinais e pulmonares em gatos domésticos". Paper presented in *VI Encontro de Formação da Ordem dos Médicos Veterinários, Portugal.*
- 21 Maia, C; Annoscia G; Latrofa MS; Pereira, A.; Giannelli A; Pedroso, L; Otranto, D. 2015. "Current status of canine onchocercoisis by *Onchocerca lupi* and first case report in Europe of the infection in a cat". Paper presented in *25th International Conference of the World Association for the Advancement of Veterinary Parasitology, United Kingdom.*
- 22 Maia, C; Cristóvão, J; Cortes, S; Ramos, C.; Afonso, MO; Campino, L. 2015. "Leishmaniasis in Portugal in the XXI century". Paper presented in *2nd Conference on Neglected Vectors and Vector-Borne Diseases (EurNegVec): with MC and WG Meeting of the COST Action TD1303, Turkey.*
- 23 Lemos J; Maia, C; Ferreira, C; Alho A; Campino, L; Meireles J; Carvalho LM; Belo S. 2014. "Prevalência e coinfecção por *Dirofilaria* spp. e *Leishmania infantum* em cães na região centro de Portugal". Paper presented in *XVII Congresso Português de Parassitologia, Portugal.*
- 24 Afonso, MO; Alves-Pires C; Cristóvão, J; Maia, C; Campino, L. 2014. "Os flebotomos vetores de *Leishmania* spp., as alterações climáticas e ambientais, e a globalização: consequências na transmissão vetorial em Portugal". Paper presented in *IV Congresso Nacional de Saúde Pública, Portugal.*
- 25 Maia, C; Ferreira, A; Nunes, M; Vieira ML; Campino, L; Cardoso, L. 2014. "Molecular detection of pathogens in hard ticks from Portugal". Paper presented in *Joint Irish Society for Parasitology, British Association for Veterinary Parasitology and European Veterinary Parasitology College Conference meeting in Dublin, Ireland.*
- 26 Fernandes MC; Cristóvão, J; Campino, L; Maia, C. 2014. "Prevalência da infecção por *Leishmania infantum* na população canina da região de Cascais". Paper presented in *VI Congresso da Sociedade Portuguesa de Ciências Veterinárias. Ciências Veterinárias: Praxis e Futuro, Portugal.*
- 27 Maia, C; Ramos, C.; Sousa, C.; Cristovao, J.; Faísca, P; Campino, L. 2013. "Um caso de leishmaniose num gato com carcinoma espino-celular invasivo". Paper presented in *IV Encontro de Formação da Ordem dos Médicos Veterinários, Portugal.*
- 28 Prudhomme J; Toty C; Rahola N; Vergnes B; Maia, C; Alten B; Sereno D; Bañuls A. 2013. "Microsatellite development for population structure analysis of *Phlebotomus ariasi*, main vector of *L. infantum* in the region of Montpellier (France)". Paper presented in *6th International Congress of Society for Vector Ecology, United States.*

- 29 Maia, C; Cortes, S; Cristóvão, J; Afonso, MO; Campino, L. 2013. "Leishmaniasis in Portugal, the last decade". Paper presented in *Fifth World Congress on Leishmaniasis, Brazil*.
- 30 Bruno de Sousa, C; Custódio L; Martins, V.; Maia, C; Cortes, S; Neto, Luis; Barreira L; et al. 2012. "Portuguese marine macroalgae: Potential antileishmanial sources". Paper presented in *XVI Congresso Português de Parasitologia, Portugal*.
- 31 Maia, C; Cortes, S; Dionísio, L; Cristóvão, J; Neto, L; Afonso, MO; Campino, L. 2012. "First molecular detection of Leishmania major-like in naturally infected Sergentomyia minuta in Portugal". Paper presented in *XI European Multicolloquium of Parasitology, Romania*.
- 32 Talmi-Frank D; Kassahun A; Maia, C; Rohousova I; King R; Zackay A; Jaffe C; et al. 2011. "Epidemiological study of Leishmania infection in farm animals in northern Ethiopia". Paper presented in *Israeli Society for Parasitology and Tropical Diseases, Israel*.
- 33 Maia, C; Seblova V; Sadlova J; Votypka J; Volf P. 2011. "Experimental transmission of Leishmania infantum viscerotropic and dermatropic strains by two major vectors". Paper presented in *7th International Symposium on Phlebotomine Sandflies, Turkey*.
- 34 Maia, C; Sadlova J; Seblova V; Votypka J; Campino, L; Volf P. 2010. "New transmission model for Leishmania infantum using single bite of the two main vectors of zoonotic visceral leishmaniasis". Paper presented in *XIIth International Congress of Parasitology, Australia*.
- 35 Maia, C; Afonso MO; Cristóvão, J; Neto, L; Dionísio, L; Dionísio A; Campino, L. 2010. "Phlebotomine sand fly vectors of Leishmania in Algarve Region, Portugal". Paper presented in *International Conference EDEN - Emerging Vector-borne Diseases in a Changing European Environment, France*.
- 36 Maia, C; Campino, L; Marques, M.; Cristóvão, J; Ramada J; Neves R.; Cortes, S. 2009. "Leishmaniasis Week ONLeish - preliminary results". Paper presented in *XI Congresso Ibérico de Parasitologia, Portugal*.  
Published
- 37 Campino, L; Cardoso, L; Brito M; Carvalho LM; Afonso MO; Maurício I; Neves R.; Maia, C. 2009. "National Leishmaniasis Observatory – ONLeish". Paper presented in *XI Congresso Ibérico de Parasitologia, Portugal*.
- 38 Maia, C; Gomes, J.; Cristóvão, J; Nunes, M.; Martins, A.; Rebelo, E.; Campino, L. 2009. "Leishmania infection in cats from a canine leishmaniasis endemic region, Portugal". Paper presented in *XI Congresso Ibérico de Parasitologia, Portugal*.
- 39 Maia, C; Kanellos T; Larraga V; Campino, L. 2009. "Safety of a potential new canine Leishmania infantum DNA vaccine". Paper presented in *International Symposium on Leishmaniasis Vaccines. In XLV Conference of the Brazilian Society of Tropical Medicine, Brazil*.

- 40 Maia, C; Rolão, N; Nunes, M.; Campino, L. 2009. "Infectivity of Leishmania infantum treated with amphotericin B plus Phlebotomus perniciosus salivary glands in a BALB/c model". Paper presented in *Fourth World Congress on Leishmaniasis, India*.
- 41 Maia, C; Rolão, N; Nunes, M.; Cristóvão, J; Campino, L. 2009. "Cytokine and specific antibodies profiles in canine experimental infection with Leishmania infantum". Paper presented in *Fourth World Congress on Leishmaniasis, India*.
- 42 Maia, C; Campino, L; Sadlova J; Jecna L; Volf P. 2008. "Development of Leishmania infantum promastigotes treated with amphotericin B in Phlebotomus perniciosus and Lutzomyia longipalpis". Paper presented in *6th International Symposium on Phlebotomine Sandflies, Peru*.
- 43 Maia, C; Afonso MO; Dionísio, L; Campino, L. 2007. "Leishmaniasis survey in Algarve Region, Portugal: canine reservoir and phlebotomine sandflies". Paper presented in *X Congresso Ibérico de Parasitologia, Spain*.

Conference poster

- 1 Pereira, A.; Parreira, R; Campino, L; Maia, C. 2019. "Feline antibody response to Phlebotomus perniciosus saliva and its association with Leishmania infection". Paper presented in *NOVA Science Day*.
- 2 Maia, C; Campino, L; Ayhan, N; Cristóvão, J; Pereira, A.; Charrel, R. 2019. "Human seroprevalence of Toscana virus and Sandfly fever Sicilian virus in Setúbal district, Portugal". Paper presented in *10th International Symposium on Phlebotomine Sandflies*.
- 3 Maia, C; Afonso, MO; Bruno de Sousa, C; Ayhan, N; Cristóvão, J; Pereira, A.; Parreira, R; et al. 2019. "Phlebotomine sand fly survey in Algarve region, south of Portugal, 2018: molecular screening of Leishmania and Phlebovirus, and blood meal identification". Paper presented in *10th International Symposium on Phlebotomine Sandflies*.
- 4 Pereira, A.; Parreira, R; Cristóvão, J; Castelli G; Bruno F; Vitale F; Campino, L; Maia, C. 2019. "Assessment of genetic diversity of Leishmania donovani complex strains isolated from cats". Paper presented in *Encontro Ciência 2019*.
- 5 Cardoso, A.; Maia, C; Cristóvão, J; Alves, G.; Afonso, MO. 2019. "Percevejos com importância em medicina humana, em diferentes províncias de Angola, 2017-2018: infestação e tipos de habitação". Paper presented in *5º Congresso Nacional de Medicina Tropical*.
- 6 Pereira, A.; Parreira, R; Critstóvão J; Campino, L; Maia, C. 2018. "Infeção por Leishmania em gatos da Área Metropolitana de Lisboa". Paper presented in *9as Jornadas Científicas do Instituto de Higiene e Medicina Tropical*.
- 7 Ortuño M; Risueño J; Annoscia G; Muñoz C; Goyena E; Maia, C; Cortes, S; et al. 2018. "Genetic diversity of Leishmania infantum suggest a common transmission cycle in humans, dogs and wildlife in Southeast Spain". Paper presented in *15th International Symposium of Veterinary Epidemiology and Economics*.

- 8 Cruz, C.; Cristóvão, J; Cachola P; Pereira, A.; Campino, L; Maia, C. 2018. "Leishmania infantum infection in stray cats from Faro district, south of Portugal". Paper presented in *Joint Meeting of the Belgian Society of Parasitology and Protistology (BSPP), Irish Society of Parasitology (ISP), the British Association for Veterinary Parasitology (BAVP) and the European Veterinary Parasitology College (EVPC) 'Advances in parasitology'*.
- 9 Pereira, A.; Parreira, R; Figueira, L; Nunes, M; Cotão, A; Vieira ML; Campino, L; Maia, C. 2017. "Molecular detection of Phlebovirus in ticks from southern Portugal". Paper presented in *4th Conference on Neglected Vectors and Vector-Borne Diseases (EurNegVec): with MC and WG Meeting of the COST Action TD1303*.
- 10 Willen, L; Kostalova, T; Lestinova, T; Sumova, P; Maia, C; Gramiccia, M; Gradoni, L; Volf, P. 2017. "Identification of epidemiological biomarkers for canine exposure to Phlebotomus perniciosus". Paper presented in *Sixth World Congress on Leishmaniasis*.
- 11 Maia, C; Cruz. C.; Cristóvão, J; Cachola P; Brancal H; Martins, A.; Pereira, A.; Campino, L.. 2017. "Leishmania infection in cats from three canine leishmaniasis endemic foci from Portugal". Paper presented in *XIII Congresso Hospital Veterinário Montenegro*.
- 12 Pereira, A.; Otranto, D; Cristóvão, J; Colella, V; Campino, L; Maia, C. 2017. "Seroprevalência de Leishmania em cães de caça da região do Algarve". Paper presented in *XIII Congresso Hospital Veterinário Montenegro*.
- 13 Pereira, A.; Azevedo, P; Campos, A; Fonseca, S.; Maia, C. 2016. "Infeção canina por Cyniclomyces guttulatus". Paper presented in *VII Encontro de Formação da Ordem dos Médicos Veterinários*.
- 14 Sousa, S.; Pereira, A.; Parreira, R; Maia, C. 2016. "Caracterização genética de Leishmania spp. em gatos domésticos genética de Giardia duodenalis em cães da região de Lisboa". Paper presented in *VII Encontro de Formação da Ordem dos Médicos Veterinários*.
- 15 Gouveia, S; Miguel, R; Hernandez H; Faria, S; Alves-Pires, C.; Cristóvão, J; Maia, C; Campino, L; Afonso, MO. 2016. "Aspectos bioecológicos de flebótomos (Diptera, Psychodidae), vetores de Leishmania sp., capturados em 2015, em diferentes áreas endémicas de Portugal". Paper presented in *XVII Congresso Ibérico de Entomologia*.
- 16 Vilela M; Pita-Pereira D; Cristóvão, J; Maia, C; Campino, L; Magalhães M; Rangel E; Afonso MO. 2016. "First study on Phlebotomine sand flies (Diptera: Psychodidae), vectors of Leishmania sp., in Castelo Branco District, Central East region, Portugal". Paper presented in *9th International Symposium on Phlebotomine Sandflies*.

- 17 Willen, L; Kostalova, T; Polanska, N; Lestinova, T; Maia, C; Sumova, P; Vlkova, M; et al. 2016. "Comparison of various recombinant salivary proteins as epidemiological markers for dog exposure to *Phlebotomus perniciosus* in different localities in Italy, Portugal and Spain". Paper presented in *9th International Symposium on Phlebotomine Sandflies*.
- 18 Pereira, A.; Martins, A.; Brancal H; Vilhena H; Silva, P.; Pimenta P; Diz-Lopes D; et al. 2016. "A survey of Portuguese pet owners' awareness about parasitic zoonoses associated with dogs and cats". Paper presented in *29th SolPa congress: Parasites, Poverty and Social commitment*.
- 19 Mendes, J; Pinto, C; Bernardo, S; Ribeiro-Lima J; Maia, C. 2016. "Prevalence of ostertagiosis in slaughtered dairy cattle from São Miguel Island, Azores, Portugal". Paper presented in *29th SolPa congress: Parasites, Poverty and Social commitment*.
- 20 Moreira, S.; Brancal H; Castelo-Branco M; Lopes, A.; Maia, C; Cardoso, L.. 2016. "Avaliação do grau de exposição dos seres humanos da região Cova da Beira ao agente zoonótico *Leishmania infantum*". Paper presented in *XXII Congresso Nacional de Medicina Interna e V Congresso Ibérico de Medicina Interna*.
- 21 Pereira, A.; Parreira, R; Nunes, M.; Casadinho A; Vieira ML; Campino, L; Maia, C. 2016. "Molecular detection of tick-borne-bacteria and protozoa in cervids and wild boars from Portugal". Paper presented in *11th Symposium of the CVBD World Forum*.
- 22 Pereira, A.; Martins, A.; Brancal H; Vilhena H; Silva, P.; Pimenta P; Diz-Lopes D; et al. 2016. "Parasitic zoonoses associated with dogs and cats: a survey of Portuguese pet owners' awareness and deworming practices". Paper presented in *11th Symposium of the CVBD World Forum*.
- 23 Maia, C; Altet L; Serrano L; Cristóvão, J; Tabar M; Francino O; Cardoso, L.; Campino, L; Roura X. 2016. "Molecular detection of *Leishmania infantum*, filariae and *Wolbachia* spp. in dogs from southern Portugal". Paper presented in *11th Symposium of the CVBD World Forum*.
- 24 Alten B; Gradoni L; Maia, C; Afonso MO; Campino, L; Jiménez M; Molina R; et al. 2015. "Seasonal dynamics of six phlebotomine sand fly species proven vectors of Mediterranean leishmaniasis caused by *Leishmania infantum*". Paper presented in *Genes, Ecosystems and Risk of Infection*.
- 25 Di Muccio T; Maia, C; Cristóvão, J; Campino, L; Fabrizia V; Toz S; Yusuf O; et al. 2015. "Validation of the diagnostic performance of conjunctival swab *Leishmania* nested-PCR in dogs from different settings of Mediterranean canine leishmaniasis". Paper presented in *Genes, Ecosystems and Risk of Infection*.
- 26 Remoli M; Maia, C; Afonso MO; Campino, L; Jiménez M; Molina R; Bañuls A; et al. 2015. "Epidemiological investigation on the spread of *Phebotomus*-borne-viruses in Europe". Paper presented in *Genes, Ecosystems and Risk of Infection*.

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Dissertation

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- 2 Maia, C. 2003. "Estudo das citocinas IL-4 e IFN- $\gamma$  em murganhos (C57BL/6) infectados por Leishmania". Master, Universidade Nova de Lisboa Instituto de Higiene e Medicina Tropical.
- 3 Maia, C. 2000. "Clínica e cirurgia em pequenos e grandes animais e sanidade animal". Degree, Universidade de Lisboa Faculdade de Medicina Veterinária.

## Activities

### Oral presentation

	Presentation title	Event name Host (Event location)
2019/12	Caracterização genética de Leishmania spp. em gatos domésticos	X Jornadas Científicas do IHMT
2019/03	Antibody response to Phlebotomus perniciosus saliva in cats naturally exposed to phlebotomine sand flies is positively associated with Leishmania infection	14th Symposium of the CVBD World Forum
2018/12	Infeção por Leishmania em gatos da Área Metropolitana de Lisboa	IX Jornadas Científicas do IHMT
2017/03	Detection of an association between antibodies to Leishmania infantum and to Sandfly fever Sicilian virus but not between Leishmania infantum and Toscana virus in sheltered dogs from Portugal	12th Symposium of the CVBD World Forum
2017/03	Genetic characterization of Rhipicephalus sanguineus sensu lato ticks from dogs in Portugal	12th Symposium of the CVBD World Forum
2016/11	Leishmaniose em Portugal, os últimos 16 anos	Comemorações do primeiro "Dia Mundial One Health"
2016/10	Deteção de múltiplas linhagens genéticas de flebovírus (Bunyaviridae) em ixodídeos dos géneros Rhipicephalus, Hyalomma e Dermacentor capturados em Portugal Continental	Workshop Universidade NOVA de Lisboa/Instituto Nacional de Saúde Dr. Ricardo Jorge "Doenças Transmitidas por Vetores"
2016/05	Molecular detection of tick-borne-bacteria and protozoa in cervids and wild boars from Portugal	11th Symposium of the CVBD World Forum

2016/05	Parasitic zoonoses associated with dogs and cats: a survey of Portuguese pet owners' awareness and deworming practices	11th Symposium of the CVBD World Forum
2016/05	Molecular detection of Leishmania infantum, filariae and Wolbachia spp. in dogs from southern Portugal	11th Symposium of the CVBD World Forum
2016/02	Do we have sufficient data to predict prognosis of dogs based on clinical signs?	I Symposium to define parameters for Canine Visceral Leishmaniasis
2016/02	Serological diagnosis of canine leishmaniasis	I Symposium to define parameters for Canine Visceral Leishmaniasis
2015/06	Leishmaniasis in Portugal: from the lab to the field	Laboratório de Patologia e Bio-intervenção. Centro de Pesquisa Gonçalo Moniz Fiocruz Salvador da Bahia.
2015/06	Leishmaniasis in Portugal: from the bench to the field	Vth Meeting Supramed: Supramolecular Chemistry Applied to the Design, Synthesis and Evaluation of Bioactive Compounds of Anti-inflamatory, Anti-tumor or Anti-parasitic Action
2015/06	Estudo cego de diversas zoonoses em humanos	Nuevos retos de la sanidad en la ganadería ovina/caprina. Vigilancia Zoonosis
2015/05	Epidemiology of leishmaniasis in Portugal: New challenges and threats to the control of this zoonosis	EUBrazil Cloud Connect workshop included in European Grid Infrastructure Conference
2015/03	Molecular detection of Leishmania DNA and identification of blood meals in wild caught phlebotomine sand flies (Diptera: Psychodidae) from southern Portugal	10th Symposium of the CVBD World Forum
2014/03	Bacterial and protozoal agents of feline vector-borne diseases in domestic and stray cats from southern Portugal	9th Symposium of the CVBD World Forum
2014/03	The role of domestic animals in the transmission cycle of visceral leishmaniasis in Ethiopia	9th Symposium of the CVBD World Forum
2014	Colaborou nas reuniões científicas com os parceiros do projeto da Comunidade Europeia "Biology and control of vector-	

borne infections in Europe", para planificação das tarefas e avaliação dos resultados obtidos: Budapeste, Hungria, março de 2011; Izmir, Turquia, março de 2012; Barcelona, Espanha, março 2013; Roma, Itália, novembro de 2013; Rovaniemi, Finlândia, março 2014. Em todas estas reuniões apresentou comunicações orais com os resultados da parceria portuguesa

2013/12	Presença dos agentes das Doença de Lyme na ixodofauna portuguesa: determinação da taxa de infecção	IV Jornadas Científicas do IHMT
2013/04	Leishmaniasis in Ethiopia	Módulo Medicina Tropical Faculdade de Medicina, Universidade de Creta
2013/04	Reservatórios e vectores de leishmanioses em Portugal	2º Congresso Nacional de Medicina Tropical
2012/06	Falências terapêuticas e quimio-resistência em Leishmaniose	Reunião sobre resistências a fármacos e insecticidas
2012/05	Leishmaniose: Infecção experimental, biologia e ecologia de vectores	Workshop em Biologia e Medicina Tropicais
2011/10	LEISHnet – a Leishmaniose Canina em Portugal, 2010 e 2011	II Encontro de Formação da Ordem dos Médicos Veterinários
2011/04	A importância do gato doméstico na epidemiologia da leishmaniose zoonótica	Seminário sobre «Leishmanioses em Portugal no século XXI». Escola de Ciências Agrárias e Veterinárias, Universidade de Trás-os-Montes e Alto Douro
2011/04	Experimental transmission of <i>Leishmania infantum</i> viscerotropic and dermatotropic strains by two major vectors	7th International Symposium on Phlebotomine Sandflies
2010/10	Transmission of <i>Leishmania infantum</i> viscerotropic and dermatotropic strains by two of the main vectors. Ecology and transmission dynamics of visceral leishmaniasis in Ethiopia: report of first field work	Laboratório de Parasitologia, Faculdade de Ciências, Charles University
2009/10	Leishmaniasis in Portugal: research and epidemiology	Laboratório de Parasitologia, Faculdade de Ciências, Charles University

2009/05	A semana da Leishmaniose. Resultados preliminares	XVIII Congresso Nacional da Associação Portuguesa de Médicos Veterinários Especialistas em Animais de Companhia
2008/04	Visceral leishmaniasis: experimental infections in dogs and mice	Laboratório de Parasitologia, Faculdade de Ciências, Charles University
2008	Colaborou na reunião científica com os parceiros do projeto da Comunidade Europeia "Control strategies for visceral leishmaniasis (VL) and mucocutaneous leishmaniasis (MCL) in South America: applications of molecular epidemiology", para planificação das tarefas e avaliação dos resultados obtidos. Comunicação oral com os resultados da parceria portuguesa	
2007/09	Leishmania infantum: reservoir, vector and drug susceptibility	9th Workshop on Training course on GIS and environmental control
2007	Colaborou nas reuniões científicas com os parceiros da rede financiada pela Comunidade Europeia "Monitoring risk factors of spreading of leishmaniasis around the mediterranean basin". Larnaca, Chipre, novembro de 2006; Tunis, Tunísia, maio de 2007; Korba, Tunísia, agosto de 2007. Em todas estas reuniões apresentou comunicações orais com resultados da parceria portuguesa	
2006/12	Falência/Resistência ao tratamento da Leishmaniose	Mesa redonda sobre «Leishmanioses em Portugal» Faculdade de Engenharia de Recursos Naturais. Universidade do Algarve. Campus de Gambelas.

## Course / Discipline taught

	Academic session	Degree Subject (Type)	Institution / Organization
2016 - Current	Luta contra as Parasitoses (aulas teóricas e seminários)	Mestrado em Parasitologia Médica (Mestrado)	Universidade Nova de Lisboa Instituto de Higiene e Medicina Tropical, Portugal
2016 - Current	Impacto da doença e seus determinantes (aulas teóricas)	Doutoramento em Doenças Tropicais e Saúde Global	Universidade Nova de Lisboa Instituto de Higiene e Medicina

2011 - Current	Protozoologia Médica (aulas teóricas e práticas)	Mestrado em Parasitologia Médica (Mestrado)	Universidade Nova de Lisboa Instituto de Higiene e Medicina Tropical, Portugal
2011 - Current	Parasitologia Molecular (aulas teóricas, práticas e seminários)	Mestrado em Ciências Biomédicas	Universidade Nova de Lisboa Instituto de Higiene e Medicina Tropical, Portugal
2009 - Current	Módulo de Leishmanioses (aulas teóricas e práticas)	Mestrado em Parasitologia Médica (Mestrado)	Universidade Nova de Lisboa Instituto de Higiene e Medicina Tropical, Portugal
2018 - 2018	Parasitologia e Micologia Médica (aulas teóricas, teórico-práticas e seminários)	Ciências Biomédicas (Licenciatura)	Universidade do Algarve - Campus de Gambelas, Portugal
2017 - 2017	"Molecular Epidemiology of Leishmania sp." (aula teórica) na Training school "Phylogenetic and population genetics tools for vectors and vector-borne pathogens" no âmbito da ação COST "European Network for Neglected Vectors and Vector-Borne Infections"		
2016 - 2016	Protozoologia I	Doutoramento em Ciências Biomédicas (Doutoramento)	Universidade Nova de Lisboa Instituto de Higiene e Medicina Tropical, Portugal
2016 - 2016	Protozoologia II	Doutoramento em Ciências Biomédicas	Universidade Nova de Lisboa Instituto de Higiene e Medicina Tropical, Portugal
2016 - 2016	"2-day Vector Control Training" (aulas teóricas e práticas sobre trabalho de campo, identificação e processamento de flebótomos) no "Sand fly vector group"		European Society for Vector Ecology, Germany European Mosquito Control Association, Germany
2012 - 2016	Patologia e Clínica das Doenças Parasitárias II. Realizou a organização dos conteúdos e programa da Disciplina assim como a metodologia e avaliação.	Mestrado Integrado em Medicina Veterinária	Universidade Lusófona de Humanidades e Tecnologias Faculdade de Medicina Veterinária, Portugal
2011 - 2016	Patologia e Clínica das Doenças Parasitárias I.	Mestrado Integrado em Medicina	Universidade Lusófona de

	Realizou a organização dos conteúdos e programa da Disciplina assim como a metodologia e avaliação.	Veterinária (Mestrado integrado)	Humanidades e Tecnologias Faculdade de Medicina Veterinária, Portugal
2015 - 2015	Parasitologia Molecular	Doutoramento em Genética Humana e Doenças Infeciosas (Doutoramento)	Universidade Nova de Lisboa Instituto de Higiene e Medicina Tropical, Portugal
2012 - 2012	Microbiologia e Parasitologia (seminário)	Enfermagem	Escola Superior de Enfermagem de Lisboa, Portugal
2007 - 2010	Patologia e Clínica das Doenças Parasitárias I (aulas práticas)	Mestrado Integrado em Medicina Veterinária (Mestrado integrado)	Universidade Lusófona de Humanidades e Tecnologias Faculdade de Medicina Veterinária, Portugal
2007 - 2010	Patologia e Clínica das Doenças Parasitárias II (aulas práticas)	Mestrado Integrado em Medicina Veterinária (Mestrado integrado)	Universidade Lusófona de Humanidades e Tecnologias Faculdade de Medicina Veterinária, Portugal
2002/02 - 2008/04	Curso de Auxiliar de Clínica Veterinária		Instituto Monitor, Portugal
2008 - 2008	Ação de formação do Biotério do IHMT sobre leishmanioses e condições de boas práticas e manutenção		Universidade Nova de Lisboa Instituto de Higiene e Medicina Tropical, Portugal
2006 - 2006	Os roedores e a Microbiologia Clínica: que impacte na Saúde Pública?	Mestrado em Microbiologia Médica (Mestrado)	Universidade Nova de Lisboa Instituto de Higiene e Medicina Tropical, Portugal
2006 - 2006	Parasitologia (aula prática sobre leishmaniose)	Microbiologia (Licenciatura)	Universidade Católica Portuguesa Escola Superior de Biotecnologia, Portugal
2006 - 2006	Agentes e Vectores de Patogêneos (aula teórico-prática)	Biologia Humana e Ambiente (Mestrado integrado)	Universidade de Lisboa Faculdade de Ciências, Portugal
2004/10 - 2005/07	Curso de Ajudante Técnico Veterinário		Instituto Monitor, Portugal
2005 - 2005	Parasitologia (aula prática sobre leishmaniose)	Biologia Celular e Molecular	Universidade Nova de Lisboa Faculdade de

## Interview (newspaper / magazine)

	Activity description	Newspaper / Forum
2020	Carraças: mantenha-as à distância	revista Prevenir nº 176
2020	Novas ameaças na parasitologia	Veterinária Atual nº 139
2019	O perigo dos parasitas	Revista Veterinária Atual nº 127
2015	Entrevista telefónica (revista por escrito) sobre o estágio “Será que o meu cão tem leishmaniose?”	Iniciativa Ciência Viva no Laboratório
2015	O que sabemos sobre a leishmaniose em gatos?	Revista Veterinária Atual nº 83
2014	Desparasitação: As inovações terapêuticas são eficazes?	Revista Veterinária Atual nº 72
2013	Soluções para o controlo da leishmaniose canina	Revista Veterinária Atual nº 61
2012	Leishmaniose canina e felina	Revista Veterinária Atual nº 51

## Interview (tv / radio show)

	Program	Theme
2017 - 2017	Programa de rádio “90 segundos de ciência”	As leishmanioses
2007 - 2007	Programa da rádio “Prova Oral”	Doenças Tropicais