

Curriculum vitae

1. Personal information

NAME Sofia Júdice da Costa Cortes
PRESENT ADDRESS IHMT, Rua da Junqueira 100
1349-008 Lisboa, Portugal
E-MAIL scortes@ihmt.unl.pt
sofcortes@gmail.com
DATE OF BIRTH January 24, 1972
BIRTH PLACE Lisbon
NATIONALITY Portuguese
RESEARCHER ID: I-2800-2012
ORCID: <http://orcid.org/0000-0001-5850-6950>



Present position (from January 2017): Invited assistant researcher, at the Global Health and Tropical Medicine, Instituto de Higiene e Medicina Tropical, Universidade Nova de Lisboa, Portugal. Starting Grant (IF/00743/2015) from the Investigator Program of the Portuguese Foundation for Science and Technology (FCT) with the project: developing the project “**Synthetic peroxides as new potential anti-Leishmania chemotypes**”.

2. Education

2009 **PhD in Biomedical Sciences, Parasitology.** Thesis title: *Genetic diversity of Leishmania parasite population in Portugal.* Monography: *Human african trypanosomosis control.*
Instituto de Higiene e Medicina Tropical (IHMT), Universidade Nova de Lisboa, Portugal.
Classification: Approved by unanimity

1999 **Medical Microbiology Post-graduation Course,** IHMT. Universidade Nova de Lisboa.
Classification 12/20.

1997 **Degree in Biology** (BSc, Scientific branch). Thesis title: *Study of humoral and cellular immune response on golden hamsters (Mesocricetus auratus) experimentally infected with Leishmania infantum MON-1*
Aveiro University, Portugal.
Final classification 13/20.

1991 **First year of Geology,** Faculdade de Ciências da Universidade de Lisboa.

3. Research experience

3.1. Fellowship awards and other positions

Dec 2014-Nov 2016

- Invited researcher under Brandenburg Research Academy and International Network (BRAIN)- Marie Curie COFUND EU Programme: “**Biomarkers in *Leishmania* spp. – A hybrid based strategy**”, Technical University of Applied Sciences (TH-Wildau), Germany.

2009-2014

- Post-doc fellow from FCT: “**Studies on behaviour associated with *Leishmania* strains virulence and host susceptibility**”. (SFRH/BPD/44450/2008), Leishmaniasis group/ IHMT, Portugal.

2009

- Research fellow under ONLeish National Enquiry: “Semana da Leishmaniose canina” (processing and immunodiagnosis of canine samples and data analysis), Leishmaniasis group/IHMT/Schering Plug, Portugal.

2007- 2008

- Job contract as superior technician under the UE project “LeishEpiNetSA”, Leishmaniasis group/IHMT, Portugal.

2006

- PhD fellow under the UE project “LeishEpiNetSA”, Leishmaniasis group/IHMT, Portugal.

2001-2005

- Research fellow under the EU project “*Leishmania* Genotyping”, Leishmaniasis group/IHMT, Portugal.

1998-2001

- Research fellow under the project "Imunopor", SINDEPEDIP/ Leishmaniasis group/CMDT/IHMT, Portugal.

- Colaboration in studies on canine experimental infection, and human diagnosis studies related with *Leishmania*/ HIV co-infection.

3.2. Participation in research projects

(as team member)

- BMBF German project. “**Molecular epidemiology and diagnosis of *Leishmania* in Central Asia and Southern Caucasus for development of local monitoring and controls systems**” (FKZ01DK14021). Molecular Biology and Functional Genomics Dep., TH Wildau, Germany. 2014-2016.

- Network “**Rede de Mulheres Cientistas – MulheresSTrop**” IHMT/ The Elsevier Foundation. Portuguese PI: Prof. Isabel Maurício. 2014- ...

- European consortium “**European cooperation in clinical and molecular research on Leishmaniasis- LeishMan**” (Medical Parasitology Unit, Leishmaniasis group/IHMT/UNL. 2012- ...

- UE Project. “**Biology and control of vector-borne infections in Europe. EDEN-next** “(EU/FP7). Medical Parasitology Unit, Leishmaniasis group/IHMT/UNL. Portuguese PI: Prof. Lenea Campino. 2011-2014.
- “**Network for the identification of biomarkers potentially useful in discriminating the different clinical outcomes of *Leishmania infantum* infection**”, CYTED-Brazil, Medical Parasitology Unit, Leishmaniasis group/IHMT/UNL, Lisboa. 2011-2014
- FCT Project “**New *Leishmania* species and hybrids – risk of introduction and implications to the pathogeny of infection**” (PTDC/CVT/112371/2009), Medical Parasitology Unit, Leishmaniasis group/IHMT/UNL. PI: Prof. Lenea Campino. 2011-2014.
- Project “**The role of domestic cats in the epidemiology of zoonotic leishmaniasis**” (CMDT_LA), Medical Parasitology Unit, Leishmaniasis group/IHMT/UNL, Lisboa. 2012 (Jan.-Dez.)
- UE Project “**Control Strategies for visceral leishmaniasis (VL) and mucocutaneous leishmaniasis (MCL) in South America: applications of molecular epidemiology**” (acronym LeishEpiNetSA) (INCO-CT-2005-015407), Leishmaniasis group/IHMT/UNL. Portuguese PI: Prof. Lenea Campino. 2006-2009.
- International Pharmaceutical Industry Project “**Clinical trial on formulations candidate to immunotherapeutics on canine leishmaniasis**”. Leishmaniasis group/IHMT/UNL, PI: Prof. Lenea Campino. 2005-2006.
- EU Project “**Monitoring risk factors of spreading of leishmaniasis around the mediterranean basin**”(LeishMed) (FP6-509086-2003), Leishmaniasis group/IHMT/UNL, Portuguese PI: Prof. Lenea Campino. 2005-2007.
- UE Project “**Diagnostic and epidemiological markers for tracking of endemic and resurgent European leishmaniasis**” (acronym *Leishmania* Genotyping) (QLK2-CT-2001-01810), Leishmaniasis group/IHMT/UNL, Portuguese PI: Prof. Lenea Campino. 2001-2005.
- FCT and POCTI/ FEDER Project “**Characterization of organ-related responses to *Leishmania infantum* infection in the murine model**”, (Ref. POCTI/35263/CVT/2000), Leishmaniasis group/IHMT/UNL, Portuguese PI: Prof. Lenea Campino. 2000-2003.
- Pharmaceutical Industry Project (SINDEPEDIP) “**IMUNOPOR**”, sub-project “**development of a recombinant vaccine derived from BCG against canine leishmaniasis**”, (Ref. 25/00254), Leishmaniasis group/CMDT/IHMT/UNL. PI: Prof. Gabriela Santos-Gomes. 1996-2000.
- EU Project “**Molecular genetics, cellular immunology and peptide chemistry for the development of control tools against leishmaniasis**”, (Ref. IC18CT970252), Leishmaniasis group/IHMT/UNL. Portuguese PI: Prof. Pedro Abranches. 1997-2001.
- EU Project “**Development and imunological evaluation of a vaccine for canine visceral leishmaniasis**”, (Ref. IC18-CT95-0023), Leishmaniasis group/IHMT/UNL. Portuguese PI: Prof. Pedro Abranches. 1996-1998.

3.3. Workshop organisation, member of Scientific Committees and other events

- Organising Committee of the “**Dia Aberto do IHMT**”, IHMT, Lisbon, Portugal, 31 Mar-01 Apr 2017.

- Organizing Committee of the **International Symposium on Leishmaniasis- From field to Lab**, Technical University of Wildau, Wildau, Germany, January, 2015.
- Organizing Committee of the Seminar **“Canine leishmaniasis: from clinics to the lab”**, IHMT, Lisbon, October 2013
- Member of Scientific Committee of **II and III Scientific Seminars IHMT**, Lisbon. December 2012 and
- Member of Scientific Committee of **Parasitology Seminars II- Leishmanioses**. Escola Superior de Tecnologia da Saúde Oporto. May 2012
- Organization and monitor of **“Workshop on Leishmaniasis laboratorial diagnosis”**. Jornadas de Parasitologia II- Leishmanioses. Escola Superior de Tecnologia da Saúde, Oporto. May 2012,
- “Leishmaniasis in Portugal on the XXI century”**. Escola de Ciências Agrárias e Veterinárias, Universidade de Trás-os-Montes e Alto Douro, Vila Real, Portugal. October 26, 2011.
- Co-organization **“Microsatellite analysis Workshop”**, Leishmaniasis group and Tropical Diseases group/CMDT/IHMT/UNL Lisbon, May 2007
- Co-Organization of **“Training Course on Diagnostics of Leishmaniasis”**, Parasitology Department (Prof. A. Dakkak), Institut Agronomique et Vétérinaire Hassan II, Rabat, Maroco. For this training course 23 researchers were selected from several research institutes from North African, Middle East and European countries. 2006
- Co-Organization of **6th Forum of “Ciência Viva” Program**, from the Ministry of Science and Technology/ CMDT, at the Pavilhão Atlântico, Lisbon. 2002
- Collaboration in the organization of the **Workshop “HIV/Leishmania co-infection: recent progress in treatment and diagnosis”**, Leishmaniasis group, IHMT. Lisbon. 1998

4. Teaching activities

4.1. Theoretical and practical classes

2017

- Short training course **“History of Tropical Medicine**, IHMT

- Historical framework of Leishmaniasis (theoretical)

- **IX Master Course on Biomedical Sciences**, IHMT

- **“Molecular typing in *Leishmania*”**. Molecular Parasitology (practical).

- **Molecular epidemiology of Leishmaniasis**, Training school: Phylogenetic and population genetics tools for vectors and vector-borne pathogens- COST action TD1303, Lisbon, Portugal

2016- 2015

- **“Fortgeschrittene Techniken der Molekularbiologie und Zellkultur”** module from the Master Course **“Molecular Biotechnology**, TH –Wildau, Germany

- Micromanipulation (theoretical-practical)

- “**Optik und Spektroskopie Labor**“ BB15 WiSe15/ WiSe16, TH –Wildau, Germany

2011-2014

- **V, VI and VII Master Course on Biomedical Sciences, IHMT**

- “Molecular biology application to *Leishmania* diagnostics, epidemiology and control”. Molecular Parasitology Discipline (theoretical-practical).
- “Molecular typing in *Leishmania*”. Molecular Parasitology (practical).

- **XI and XII Master Course on Medical Parasitology, IHMT**

- “Leishmaniasis: molecular epidemiology”. Medical Protozoology II (theoretical-practical).
- “Serological Techniques”. Medical Protozoology II (practical).
- “Diagnostic methodologies on protozooses”. Medical Protozoology I (theoretical).
- Leishmaniasis Module (practical).

- **Biomedical Sciences BSc, “Medical Parasitology and Micology”** discipline, Algarve University (UA) Support on practical classes and Micology theoretical classes. (25 hours)

2010

- “**Training on human intestinal parasitoses diagnostic techniques**” for BSc students, Cape Verde University (Uno-CV), Santiago Island, Cidade da Praia. 7-11 June. (40 hours)

- **X Master Course on Medical Parasitology, IHMT**: “Anti-*Leishmania* antibodies detection by Direct Agglutination test (DAT)”, Leishmaniasis Module (practical).

- **III Master Course on Biomedical Sciences, IHMT**: “*Leishmania* and leishmaniasis. Application of molecular biology techniques on diagnostics, epidemiological studies and control strategies”, Molecular Parasitology Discipline (theoretical).

2008-2009

- **X Master Course on Medical Parasitology, IHMT**: “DNA extraction and PCR”, Leishmaniasis Module (theoretical-practical).

- **Microbiology Specialisation Course for BSc**, Catholic University, Escola de Tecnologia e Gestão Industrial, Caldas da Rainha, Portugal: “Infection and Immunity” Module (20 horas).

2007

- **Graduated Program on Basic and Applied Biology (GABBA)** for BSc, Instituto de Ciências Biomédicas Dr. Abel Salazar (ICBAS), Porto: “Molecular Epidemiology of Leishmaniasis” Parasitology Module (theoretical).

2006

- **Graduated Program on Basic and Applied Biology (GABBA)**, Instituto de Ciências Biomédicas Dr. Abel Salazar (ICBAS), Porto: “Molecular Epidemiology of Leishmaniasis” Parasitology Module (theoretical).

- **XX Post-Graduation Course on Medical Parasitology, IHMT**: “*Leishmania* identification methods: isoenzymatic typing and genotyping” (theoretical).

2005

- **VI Master Course on Medical Parasitology, IHMT**: “DNA extraction and PCR”, Leishmaniasis Module (theoretical-practical).

2004

- **XIX Post-Graduation Course on Medical Parasitology**, IHMT: “*Leishmania* identification methods: isoenzymatic typing and genotyping” (theoretical).

2003

- **V Master Course on Medical Parasitology**, IHMT: “*Leishmania* identification methods: isoenzymatic typing and genotyping” (theoretical).

2002

- **XVII Post-Graduation Course on Medical Parasitology**, IHMT: “*Leishmania* identification methods: isoenzymatic typing and genotyping” (theoretical).

- **Course on Clinical Analysis and Public Health**, Superior School of Health Technologies, Lisboa: “Leishmaniasis. Diagnostic methods in visceral leishmaniasis”, Discipline of Technologies in Parasitology (theoretical-practical).

- **Graduated Program on Basic and Applied Biology (GABBA)**, Instituto de Ciências Biomédicas Dr. Abel Salazar (ICBAS), Porto: “Application of PCR to leishmaniasis” e “Classification and characterization of *Leishmania sp.*” (theoretical).

2001

- **Programa “Ciência Viva”** Program, CMDT/IHMT: “Diagnostic methods in leishmaniasis”.

2000

- **Course on Clinical Analysis and Public Health**, Superior School of Health Technologies, Lisboa: “Leishmaniasis. Diagnostic methods in visceral leishmaniasis”, Discipline of Technologies in Parasitology (theoretical-practical).

- **Graduated Program on Basic and Applied Biology (GABBA)**, Instituto de Ciências Biomédicas Dr. Abel Salazar (ICBAS), Porto: “Application of PCR to leishmaniasis diagnosis” and “Classification and characterization of *Leishmania sp.*” (theoretical).

- **“Ciência Viva”** Program, CMDT/IHMT: “Diagnostic methods in leishmaniasis”.

1998-1999

- **XIII e XIV Post-Graduation Course on Medical Parasitology**, IHMT: “Application of PCR to leishmaniasis diagnosis” (theoretical-practical).

- **Workshop “HIV/*Leishmania* co-infection: recent progress in treatment and diagnosis”**, IHMT (practicals).

4.2. Training support (*supervision/ co-supervision*)

Master’s degree (MSc):

- Andreia Mendes- Avaliação in vitro da atividade antileishmania de compostos sintéticos. IHMT/ UNL. 2017-2018- Supervisor.

- Denise Sinning- Differenzierung und Klassifikation von Leishmanienspezies mittels Fourier-Transform-Infrarotspektroskopie. 2016. TH Wildau/ Physikalisch-Technische Bundesanstalt, Germany. 2015-2016 Lab supervisor.

- Marta Oliveira. Development and comparison of traditional and instrumental methods for evaluating the efficacy of seaweed bioactive extracts on parasite/host cells systems. IHMT/ UNL- CCMAR/UA1g. 2013-2014- Supervisor.

- Andreia Albuquerque. New *Leishmania* species and hybrids- implications to pathogeny of infection; IHMT/ UNL. 2012-2013- Supervisor.
- Marta Marcos. Genetic diversity analysis of *Leishmania* isolates from Alto Douro region, Veterinary Medicine, Trás-os-Montes and Alto-Douro University. 2009. Co-supervisor.
- Ana Farinha: Biological behavior of *Leishmania* strains, sub-genera *Leishmania* and *Viannia*; Unidade de Leishmanioses/CMDT/IHMT. 2007-2008. Co-supervisor.
- Carina Esteves: Functional cloning of virulence markers of *Leishmania* parasites: *L. V. braziliensis* and *L. V. peruviana*; Faculdade de Ciências e Tecnologia/UNL. 2008. Co-supervisor.
- Mónica Nunes: Application of molecular biology methodologies for diagnosis and identification of *Leishmania* spp. *L. infantum* drug susceptibility; Faculdade de Ciências e Tecnologia/UNL. 2007. Co-supervisor.
- Ana Almeida: Genetic diversity of *Leishmania* isolates from the Iberian Peninsula. Unidade de Leishmanioses/CMDT/IHMT. Started 2003. Co-supervisor.

Basic Sciences (BSc):

- Paul Shiefer. In vitro *Leishmania* phenotypic studies towards identification of disease biomarkers. Bachelor on "Biosystemtechnik/Bioinformatik", TH Wildau, Germany. 2015. Supervisor.
- Liliana Lopes. Leishmanicidal effect of syntetic endoperoxides. Graduation on Biomedical Sciences, Universidade do Algarve, UEIPM/IHMT-UNL. 2014. Supervisor.
- Isabel Fragoso. Volunteer internship, Integrated Masters Degree in Medicine, Universidade do Algarve, UEIPM/IHMT-UNL. 2014. Supervisor.
- Romário Morais. Different *Leishmania* species DNA search in biological samples. Graduation on Biology, Instituto Superior de Agronomia, Lisboa, UEIPM/IHMT-UNL. 2014. Supervisor.
- Marisa Coelho. Graduation on Applied Chemistry, Biotechnology branch, FCT-UNL, UEIPM/IHMT-UNL. 2014. Supervisor.
- Liliana Lopes. Volunteer internship, Graduation on Biomedical Sciences, Universidade do Algarve, UEIPM/IHMT-UNL. 2013. Supervisor.
- Imen Bassoumi Jamoussi, MSc. Training on laboratory techniques for drug sensitivity for testing of *Leishmania* parasite, Volunteer internship, Instituto Pasteur de Tunis, UEIPM/IHMT-UNL. Co-supervisor.
- Talita Nayara. Laboratorial techniques applied to diagnosis and investigation in leishmaniasis. Volunteer internship, Graduation on Veterinary Medicine, Universidade Federal Rural de Pernambuco, UEIPM/IHMT-UNL. 2013. Supervisor.
- Geraldina Manjate. Evaluation of cell permissiveness to infection by strains of *Leishmania* spp. Graduation on Biochemistry. FCT/UNL. 2013. Supervisor.

- Tiago Nunes. Susceptibility of different strains of *Leishmania* to 1st line drug – Amphotericin B. Graduation on Applied Chemistry and Biotechnology. FCT/UNL. 2013. Supervisor.
- Joana Marques. Impact of continuous axenic cultivation in *Leishmania infantum*. – Biotecnologia, FCT-UNL/IHMT-UNL. 2013. Graduation on Applied Chemistry- Biotechnology. FCT/UNL. 2013. Supervisor.
- Ana Vanessa Constantino. Epidemiology and control of Chagas disease. Monographic thesis on Biomedical Sciences, Algarve University. 2012. Supervisor.
- Joana Simões Canudo. *In vitro* fitness of different *Leishmania* species/strains. Monographic thesis on Biomedical Sciences, Algarve University. 2011. Supervisor.
- Andreia Albuquerque. *In vitro* and *in vivo* biological behaviour of *Leishmania* strains. Graduation on Applied Chemistry and Biotechnology, Faculdade de Ciências e Tecnologia, Universidade Nova de Lisboa. 2010. Supervisor.
- Carina Esteves. *In vivo* and *in vitro* behaviour of parental and hybrid *Leishmania* strains from the sub-genus *Viannia*. Graduation on Applied Chemistry and Biotechnology, Faculdade de Ciências e Tecnologia, Universidade Nova de Lisboa. 2007. Co-supervisor.
- Carla Lopes. Genetic typing of *Leishmania infantum* isolates by microsatellite analysis. Graduation on Biotechnology Engineering, Universidade Lusófona de Humanidades e Tecnologias. 2006. Co-supervisor.
- Mónica Nunes. Molecular markers application in a *Leishmania infantum* parasite population. Graduation on Applied Chemistry and Biotechnology, Faculdade de Ciências e Tecnologia, Universidade Nova de Lisboa. 2005. Co-supervisor.
- Maria João Martins. Contribution to the study of genetic diversity of Mediterranean leishmaniasis. Graduation on Biotechnology Engineering, Universidade Lusófona de Humanidades e Tecnologias. 2003. Co-supervisor.

4.3. Participation in academic juries

- **April 2017:** Universidad Granada- **external evaluator** of PhD thesis of Gemma Merino Espinosa, Diseño y evaluación de nuevas técnicas moleculares para la detección y diagnóstico de *Leishmania* spp. Y su aplicación en estudios epidemiológicos.
- **August 2015:** TH Wildau- jury member of final project for Bachelor on "Biosystemtechnik/Bioinformatik" of Paul Sheaffer, *In vitro Leishmania* phenotypic studies towards identification of disease biomarkers.
- **December 2013:** IHMT/UNL - **Examiner** of the Master thesis of Andreia Albuquerque, New *Leishmania* species and hybrids- implications to pathogeny of infection.
- **June 2013:** Faculdade de Ciências e Tecnologia, UNL – **jury member** of the Project on Applied Chemistry/Biothechnology of Tiago Nunes. Susceptibility of different strains of *Leishmania* to 1st line drug – Amphotericin B.

- **June 2013:** Faculdade de Ciências e Tecnologia, UNL – **jury member** of the Project on Applied Chemistry/Biotechnology of Joana Marques. Impact of continuous axenic cultivation in *Leishmania infantum*.
- **May 2013:** Faculdade de Ciências e Tecnologia, UNL – **jury member** of the Project on Biochemistry of Geraldina Manjate. Evaluation of cell permissiveness to infection by strains of *Leishmania* spp.
- **July 2010:** Faculdade de Ciências e Tecnologia, UNL – **jury member** of the Project on Applied Chemistry/Biotechnology of Andreia Filipa Albuquerque, In vitro and in vivo fitness of *Leishmania* strains.
- **June 2009:** Trás-os-Montes and Alto Douro University, Vila Real – **Examiner** of the Master thesis of Marta Isabel Marcos, “Genetic diversity analysis of *Leishmania* isolates from Alto Douro region”.

5. Post- graduation courses and Seminars attendance

- **Basic Module “Management Skills for Research and University”** [included “Project Management” (April 26/27, 2016, 16h), “Proposal Training + Financial and Legal Issues” (May 19/20/21, 2016, 20h), “Future-oriented Leadership and Team Development” (June 15/16, 2016, 16h), “Communication & Conflict Resolution” (July 5/6, 2016, 16h)], Postdam, Germany, 2016.
- **Workshop “Successful Networking for International Post-docs”**. European University Viadrina Frankfurt (Oder), Germany, 17 November, 2015
- **Workshop “Genomic variation and different sequencing technologies”**. Tutor Dr. Thomas Otto (Sanger Centre), IHMT, Lisbon, April 24, 2013.
- **Next Generation Sequencing Meeting**. Instituto Nacional Dr. Ricardo Jorge, Lisboa Portugal, November 5, 2012.
- **“I Garcia da Horta Colloquium: Medicinal Plants”**. IHMT, Portugal. April 12, 2011.
- Seminar **“Exploring the genome of *Schistosoma mansoni* in the search for targets for drugs and vaccines”**, IHMT, Universidade Nova de Lisbon. 2010.
- **Workshop on “Leishmaniasis Therapeutics”**, IHMT, Lisbon, Portugal, Fev 2007.
- **“Initial Teacher Training of Trainers”** Course at NHK, Lisbon (90 hours). 2006.
- **“Laboratory Animal Sciences”** Course (Cat. C, FELASA), IHMT (80 hours). 2006.
- **“Biomedical Data Statistical Analysis with SPSS Support Program”** Course, IHMT (20 hours). 2006.
- **“Gene expression and biodiversity”** Course, Faculdade de Farmácia, Lisboa (30 hours). 2004.
- Training on the Molecular parasitology Laboratory, Institut *fur Mikrobiologie und Hygiene, Charité Universitätsmedizi*, Berlin, Germany, **“Microsatellite analysis for typing *Leishmania infantum* strains”**. Supervised by. Prof. Gabriele Schönëan and Dr. Katrin Khuls. 2004.
- Training on the Infectious and Tropical Diseases Department of *London School of Hygiene and Tropical Medicine*, London, UK, under the EU project **“Diagnostic and epidemiological markers for tracking of endemic and resurgent European leishmaniasis”**. Supervised by Prof. Michael Miles e Dr. Isabel Maurício. 2002.

- “**Biological Sequence Analysis**” Bioinformatics Department, Instituto Gulbenkian de Ciência, Oeiras (40 hours). 2002.
- “**ABC of Clinic Genetics**” V Course, IHMT, Lisboa. 2000.
- **Workshop “Infecção VIH- A clínica e o laboratório: dos olhares um objetivo”**, Estoril, Portugal, 27-28 Nov 2000.
- *Workshop on Molecular Biology*, Molecular Biology Laboratory, IHMT. 1999.
- “**Cytokines**” Course, Instituto Gulbenkian de Ciência (IGC), Oeiras (40 hours). 1998.
- *Workshop on “Citokines Detection and Quantification by ELISA Methodology”*, Centro de Malária e Outras Doenças Tropicais (CMDT)/IHMT, Lisboa. 24-26 November. 1997.
- Scientific Training for obtaining the Degree in Biology “**Study of humoral and cellular immunity on golden hamsters (*Mesocricetus auratus*) experimentally infected *Leishmania infantum* MON-1**”, Leishmaniasis Unit, IHMT, supervised by Prof. Pedro Abranches. 1997.

6. Main scientific areas of interest

- Trypanosomatids biological behaviour; Leishmaniasis molecular diagnosis; RFLP and microsatellites *Leishmania* genotyping; *Leishmania*/HIV co-infection; epidemiology; vivo and in vitro models; susceptibility studies; new pharmacological formulations; immunology; genetics; proteomics; mycology.

7. Publications

7.1. Scientific papers in Peer Review journals

Presently with a *h* Index of 15 (based on Scopus)

Cortes S, Bruno de Sousa C, Campino L. (2018). Tools from Nature - a Battlefield Against Old World Leishmaniasis. *Natural Products Research* (*submitted*).

Bruno de Sousa C, Lago J H, Oliveira M, Macridachis J, Brito L, Vizetto-Duarte C, Florindo C, Hendrickx S, Maes L, Morais T R, Uemi M, Neto L, Dionísio L, **Cortes S**, Barreira L, Custódio L, Alberício F, Campino L, Varela J. (2018). Report of in vitro antileishmanial properties of Iberian macroalgae. *Natural Products Research*, 9: 1-5.

Hornemann A, Sinning D, **Cortes S**, Campino L, Emmer P, Kuhls K, Ulm G, Frohme M, Beckhoff B (2017). A pilot study on fingerprinting *Leishmania* species from the Old World using Fourier transform infrared spectroscopy *Analytical and Bioanalytical Chemistry*, 409: 6907-6923. (IF= 3.431)

A. Albuquerque, L. Campino, L. Cardoso, **S. Cortes** (2017). Evaluation of four molecular methods to detect *Leishmania* infection in dogs. *Parasites & Vectors*, 10:57. (IF= 3,234)

G. Van der Auwera, A. Bart, C. Chicharro, **S. Cortes**, L. Davidsson, T. Di Muccio, J.C. Dujardin, I. Felger, M. Grazia Paglia, F. Grimm, G. Harms, C.L. Jaffe, M. Manser, C. Ravel, F. Robert-Gangneux, J. Roelfsema, S. Töz, J.J. Verweij, P. Chiodini. (2016). Comparison of *Leishmania* typing results in 16 European clinical laboratories. *Eurosurveillance*, 21 (49), pii=30418. DOI: <http://dx.doi.org/10.2807/1560-7917.ES.2016.21.49.30418>. (IF=5.900)

- Marques F C, Vale-Costa S, Cruz T, Marques J, Silva T, Neves J V, **Cortes S**, Carvalho A, Rocha E, Appelberg R, Rodrigues P, Tomás A M, Gomes M S. (2015). Strain variability as a major determinant of disease outcome in *Leishmania infantum* infection. *Parasites and Vectors*. 8:644. (IF=3.234)
- Cortes S**, Albuquerque A, Cabral L, Lopes L, Campino L, Cristiano MLS. (2015). *In vitro* susceptibility of *Leishmania infantum* to Artemisinin derivatives and selected trioxolanes. *Antimicrobial Agents and Chemotherapy*. 59 (8), 5032-35 (IF= 4,451)
- Oliveira M, de Sousa CB, **Cortes S**, Campino L, Custodio, L, Barreira L. (2014). Influence of the extraction method on the antiprotozoal activity of two Iberian Cystoseira species. *Planta Medica*. 80(16), 1543. (IF= 2.152)
- Cortes S.**, Maurício I, Kuhls K., Nunes M., Lopes C., Marcos M., Cardoso L., Schonian G., Campino L. (2014). Genetic diversity evaluation on Portuguese *Leishmania infantum* strains by Multilocus Microsatellite Typing. *Infection Genetics and Evolution* 26: 20-31. (IF= 2.768)
- Campino L, **Cortes S**, Dionísio L, Neto L, Afonso MO, Maia C (2013). First detection of *Leishmania major* in naturally infected *Sergentomyia minuta* in Europe. *Memórias do Instituto Oswaldo Cruz*. 108(4): 516-18. (IF=1.363)
- Cortes S.**, Vaz Y., Neves R., Maia C., Cardoso L., Campino L. (2012). Risk factors for canine leishmaniasis in an endemic Mediterranean region. *Veterinary Parasitology* 189: 189-196 (IF=2.381)
- Alvarenga JSC, Ligeiro CM, Gontijo CMF, **Cortes S**, Campino L, et al. (2012) KDNA Genetic Signatures Obtained by LSSP-PCR Analysis of *Leishmania (Leishmania) infantum* Isolated from the New and the Old World. *PLoS ONE* 7(8): e43363. (IF=3.730)
- Branco S, Alves-Pires C, Maia C, **Cortes S**, Cristovão JM, Gonçalves L, Campino L, Afonso MO. (2012). Entomological and ecological studies in a new potential zoonotic leishmaniasis focus in Torres Novas municipality, Central Region, Portugal. *Acta Tropica*, 125 (3):339-348. (IF=2.787)
- Cortes S**, Esteves C, Maurício I, Maia C, Cristovão J, Miles M, Campino L. (2012). In vitro and in vivo behaviour of sympatric *L. (V.) braziliensis*, *L. (V.) peruviana* and their hybrids. *Parasitology*, 139. 191-199. (IF=2.355)
- Cortes S.**, Chicharro C., Cruz I, Cristovão J.M., Cañavate C., Campino L. (2011). Genetic Diversity of Human Zoonotic Leishmaniasis in Iberian Peninsula. *Zoonoses and Public Health*. 58, 234–237. (IF=2.086)
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9. Journals referee

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