

CAROLINA GASPARINHO

Address: Rua General José Celestino Silva, 10, 11ºE, 1500-309 Lisboa, Portugal

Date of Birth: 31 January 1985

Nationality: Angolan and Portuguese

Mobile: +351 964358718 / +244 921952277

E-mail: carolinagasparinho@gmail.com

LinkedIn profile: www.linkedin.com/in/carolina-gasparinho-7a853414

ORCID: <https://orcid.org/0000-0002-0095-6155>

Researcher with interest in Tropical Public Health in developing countries with a multidisciplinary background combining a Nursing degree, a Master in Tropical Health and a PhD in International Health with specialty in Tropical Public Health. The main research areas of interest are malnutrition and enteric infections in the pediatric population as a result of the experience gained in Angola.

WORK EXPERIENCE

Dec 2017- Malo Clinic Ginemed - Portugal

May 2018 Scrub nurse

This is a Health group specialising in Gynaecology, Obstetrics and Assisted Reproduction.

Main activities: Preparation of the operating room for all cases and scheduled procedures; Assistance as a circulatory or scrub nurse. Data analysis and elaboration of a poster presentation (*Characterization of the oocyte donor profile of a medically assisted reproduction unit in Lisbon, Portugal*).

Nov 2012- Health Research Centre of Angola (CISA)- Angola

Jan 2017 Research Assistant

CISA is a public institution under the auspices of the Ministry of Health of Angola (MINSa). It was founded through a partnership launched in 2007 between the Angolan government, the Portuguese government and the Calouste Gulbenkian Foundation (Fundação Calouste Gulbenkian, FCG), with the latter endowed with managing the project that led to the setting up of CISA. *Main Activities in CISA:*

Participation in research studies:

- ***Two-year impact of annual albendazole versus four-monthly test-and-treat approach of intestinal parasites on children nutritional status in Bengo, Angola: a four-arm randomised parallel trial.*** Study design, implementation, training and supervision of the field team for data collection and laboratory diagnosis of intestinal parasites. Statistical analysis, interpretation and elaboration of scientific article for publication;
Funding: Foundation for Science and Technology PhD fellowship (Fundação para a Ciência e Tecnologia-FCT: SFRH/BD/91566/2012), FCG fellowship (P-212008), and CISA promoters (MINSa, FCG and Camões Institute for cooperation and language). Clinical trial registry: ISRCTN72928001;
- ***Agents of diarrhoea in children under-five attending the Bengo General Hospital, Bengo, Angola.*** Supervision of data collection and data analysis, reports, data presentation in conferences and publication of three research articles. Elaboration of a protocol for the treatment of intestinal parasites in the referral hospital for Bengo province, Angola;
Partners: CISA promoters (MINSa, FCG and Camões Institute for cooperation and language), General Hospital of Bengo, and the Institute of Hygiene and Tropical Medicine (IHMT, New University of Lisbon, Portugal).
- ***Morbidity surveillance system in Bengo General Hospital, Angola.*** Team coordination of team including doctors and nurses, supervision of data collection, data analysis, reporting and data presentation;
Partners: CISA promoters (MINSa, FCG and Camões Institute for cooperation and language), General Hospital of Bengo;
- ***Epidemiology of hemoglobinopathies: genetic variation of hemoglobin and erythrocyte enzymes in Bengo, Angola.*** Nursing team management, supervision of filling in the questionnaires. Creation of protocols related to the follow-up consultation of children with sickle cell disease in collaboration with the General Hospital of Bengo;
Partners: CISA promoters (MINSa, FCG and Camões Institute for cooperation and language), IPATIMUP (Institute of Pathology and Molecular Immunology of the University of Porto), Agostinho Neto University School of Medicine, David Bernardino Pediatric Hospital (Luanda), and Lisbon School of Health Technology, Portugal

- **Comparative study of the diagnostic techniques of *Strongyloides stercoralis*: Direct examination, formalin-ether concentration test and Harada Mori.** Study design, coordination of the field and laboratory team and elaboration of a treatment protocol for follow-up consultation in collaboration with the General Hospital of Bengo;
Partners: CISA promoters (MINSA, FCG and Camões Institute for cooperation and language), Bengo's Health Technicians Training School (Escola de Formação de Técnicos de Saúde do Bengo), and Bengo General Hospital;
- **Intervention study on controlling schistosomiasis in children aged between two and fifteen in Dande Municipality.** Support in field work organization. Application of questionnaires to participants. Administration of oral therapy (albendazole, praziquantel and coartem) to participants in a community context and referral of severe cases to the referral hospital.
Partners: CISA promoters (MINSA, FCG and Camões Institute for cooperation and language), Agostinho Neto School of Medicine, Lisbon School of Health Technology, Faculty of Medicine of University of Porto (FMUP, Portugal), Liverpool School of Tropical Medicine (LSTM, UK) and the University of Queensland (Australia).

Trainer, supervisor and coordinator of scientific activities:

- **Parasitology training course** provided to the students of Clinical Analysis and Public Health course of Bengo's Health Technicians Training School. Subjects: Infections caused by Intestinal parasites and malaria (life cycle, diagnosis and treatment). Laboratory techniques: diagnosis of malaria (rapid test and microscopic examination of thick and thin blood smear); diagnosis of schistosomiasis (after centrifugation of urine sample) and diagnosis of intestinal parasites (direct saline and iodine wet mount);
- **Co-advisor of the study *Urinary Schistosomiasis Infection in Health Professionals of the General Hospital of Bengo from March to June 2016*.** Support in the study design, implementation, data analysis and review of the dissertation. Final dissertation for degree in Clinical Analysis of the student Maria de Fátima Silva (Faculdade de Ciências da Saúde da Universidade Metodista de Angola, Luanda, Angola);
- **Co-advisor of the study: *Diagnosis of intestinal parasites in the Laboratory of Clinical Analysis of the General Hospital of Bengo between November 2014 and January 2015*.** Study design, laboratory diagnosis and data analysis. Final dissertation of the student Félix Zage (Clinical Analysis and Public Health course at the Bengo's Health Technicians Training School in Caxito, Angola);
- **Parasitology Internship supervision of students**, mainly in relation to the infections with intestinal parasites and malaria (epidemiology, life cycle, diagnosis and treatment);
- **Organised the first scientific conference of Bengo General Hospital** in collaboration with the Research Centre of Angola and the Bengo Health Technician Training School as a member of the Scientific Committee (elaboration of rules for submission of papers, evaluation of abstracts) and collaboration with the organizing committee.

**Mar 2010-
Mar 2012** **SAMS Hospital - Portugal
Scrub Nurse**

Main activities: Anaesthetist nurse, circulating nurse, scrub nurse and nursing care in the recovery room with experience in different areas: general surgery, colon and rectal surgery, gynecology and obstetrics, urology, pediatric surgery, vascular surgery, plastic and maxillofacial surgery, and ophthalmic surgery;

**Mar 2010-
Mar 2008** **SAMS Hospital - Portugal
General Nurse in Obstetrics and Gynecology Department**

Main activities: Circulating/anaesthetist nurse in the caesarean operating room; Nursing care in the puerperium period. Participation in a multidisciplinary health team in the "Voluntary interruption of pregnancy"

**Sep 2007-
2010** **Luis Filipe Gasparinho Cirurgia Geral e Laparoscópica, LDA - Portugal
Scrub Nurse**

Main activities: Instrumenting inferior members surgery, herniorrafias (inguinals and umbilicals) and hemorrhoidectomy at Ordem Terceira Hospital, Lisbon, Portugal.

**Nov 2007-
Oct 2008** **São João de Deus Prison Hospital - Portugal
General Nurse**

Main activities: Nursing care with medical patients including status epilepticus, status asthmaticus, respiratory, distress, diabetics, post-vascular cerebral accident, among others. Patients of high security status

EDUCATION

- 2013 – Jul 2019** **PhD in International health, Specialty: Tropical Public Health at the Institute of Tropical Medicine and Hygiene (IHMT), New University of Lisbon (UNL) – Portugal**
- Dissertation: Malnutrition and enteric infections in children from Bengo, Angola - a four arm experimental study. Funding: FCT (SFRH/BD/ 91566/2012) e FCG (Ref 212008) and Health Ministry of Angola (MINSÁ).
- 2009 – 2012** **Master in Tropical Health at the Institute of Tropical Medicine and Hygiene (IHMT), New University of Lisbon (UNL) – Portugal**
- Dissertation: Cross-sectional study on Intestinal parasites and severe and moderate malnutrition in children admitted to the service of malnutrition of Hospital Pediátrico do Lubango, Angola, with a final classification of 17.0 values (0-20)
- 2003 – 2007** **Nursing degree at Portuguese Red Cross Health School – Portugal**
- Dissertation: Factors affecting Alzheimer´s caregiving families with a final classification of 16.43 values (0-20)

PROFESSIONAL TRAINING

- Jun 2019** **Short course “Essentials of Clinical Trials” at London School of Hygiene & Tropical Medicine (LSHTM) 24-28 June - UK**
- Key issues in design, conduct, analysis and reporting, with a focus on major clinical trials that directly influence clinical practice. Topics are addressed with perspectives from both public sector research and the pharmaceutical industry. <https://www.lshtm.ac.uk/study/courses/short-courses/clinical-trials>
- May 2019** **Science Management Course (2nd edition) in Lisbon (at the Calouste Gulbenkian Foundation, Portugal) and in Barcelona (at Cosmo Caixa), from 27 to 31 May 2019 – Portugal and Spain**
- The overall objective of this course was to promote specific knowledge and practical training in leadership and research management at internationally competitive research institutions. The course was promoted by Calouste Gulbenkian Foudation and Fundação La Caixa, and with the support of the Health Research Centre of Manhica (Centro de Investigação em Saúde da Manhica, Mozambique), and ISGLOBAL (Instituto de Saúde Global de Barcelona, Spain).
- <https://gulbenkian.pt/grant/curso-em-gestao-de-ciencia-para-investigadores-dos-palop-2/>
- Apr 2019** **Data Scientist Training with R at the Faculty of Sciences, University of Lisbon - Portugal**
- Module 1: Introduction to R (22 April 2019); Module 2: Preliminary Statistical Analysis (30 April 2019) and Module 3: Introduction to Regression Analysis (May 7, 2019). <https://www.gades-solutions.com/>
- Apr 2019** **Introduction to Systematic Reviews and Meta-Analysis Course – Cochrane Portugal**
- A day course provided by Cochrane Portugal and included in the 4th International Research Conference of the Northern School of Health of the Portuguese Red Cross
- Apr 2013** **Training course on Malaria diagnosis ministered by the National Malaria Control Program of Angola.**
- Oct 2010** **Course of Initial Pedagogical Training for Trainers, FDTI - Portugal**
- Certificate of Competence (100hours)
- Nov 2009** **Training Course of International Volunteers organized by AMI – International Medical Assistance – Portugal;**
- Duration: 12 hours
- Oct 2008- Feb 2009** **Cardio-pulmonary resuscitation course at the Nursing Training Institute (Instituto de Formação em Enfermagem – IFE) – Portugal; Duration: 42 hours; Classification: 18 values (0-20)**
- Mar 2008- Oct 2008** **Obstetric and neonatal emergencies course at the Nursing Training Institute (Instituto de Formação em Enfermagem – IFE) – Portugal**
- Duration: 66 hours; Classification: 18 values (0-20)
- Oct 2007- Feb 2008** **Nursing care in Metabolic urgencies and Intoxication at the Nursing Training Institute (Instituto de Formação em Enfermagem – IFE) – Portugal**
- Duration: 42 hours; Classification: 16 values (0-20)
-

AFFILIATIONS

- Since 2018** Global Health Tropical Medicine (GHTM), Institute of Hygiene and Tropical Medicine (IHMT), New University of Lisbon, (UNL)
- 2013-2019** International Public Health and Biostatistics Unit, Institute of Hygiene and Tropical Medicine (IHMT), New University of Lisbon, UNL)
- Since 2012** Health Research Centre of Angola (CISA)

SCHOLARSHIPS

- Apr 2017-
Oct 2017** **Calouste Gulbenkian Foundation Fellowship** (Bolsa de Formação para os PALOP e Timor-Leste, Ref 212008)
Short-term scholarship awarded for the analysis and publication of scientific articles under the PhD thesis in International Health, Tropical Public Health Specialty (IHMT-NOVA)
- Apr 2013-
Apr 2017** **Foundation for Science and Technology PhD fellowship (SFRH/BD/91566/2012)**
PhD in International Health, Tropical Public Health Specialty - Institute of Hygiene and Tropical Medicine, New University of Lisbon

PAPERS

- In revision** **Gasparinho C**, Kanjungo A, Zage F, Clemente, I, Reis, A, Brito M, Sousa-Figueiredo JC, Fortes, F, Gonçalves L. *Two-year impact of annual albendazole versus four-monthly test-and-treat approach of intestinal parasites on children nutritional status in Bengo, Angola: a four-arm randomised parallel trial*. Submitted to Plos One Manuscript Number: PONE-D-19-10988.
- Published** **Gasparinho C**, Piedade J, Mirante MC, Mendes C, Mayer C, Vaz Nery S, et al. *Characterization of rotavirus infection in children with acute gastroenteritis in Bengo province, Northwestern Angola, prior to vaccine introduction*. PLoS One. 2017;12(4):e0176046.
- Published** **Gasparinho C**, Ferreira FS, Mayer AC, Mirante MC, Vaz Nery S, Santos-Reis A, et al. *Molecular characterization of Giardia lamblia in children less than 5 years of age with diarrhoea attending the Bengo General Hospital, Angola*. Trans R Soc Trop Med Hyg. 2017;111(11):497-503.
- Published** **Gasparinho C**, Mirante MC, Centeno-Lima S, Istrate C, Mayer AC, Tavira L, et al. *Etiology of Diarrhea in Children Younger Than 5 Years Attending the Bengo General Hospital in Angola*. Pediatr Infect Dis J. 2016;35(2):e28-34.

PRESENTATIONS

- Poster** **C. Gasparinho**, M. Brito, F. Fortes, L. Gonçalves. Efeito do Albendazole (sem diagnóstico) vs tratamento de parasitas intestinais (após diagnóstico) no estado nutricional de crianças no Bengo, Angola: estudo experimental com quatro braços em paralelo. (IX Jornadas Científicas do Instituto de Higiene e Medicina Tropical, Lisbon, Portugal. December 2018);
- Poster** **C. Gasparinho**, MJ Cravo, B. Pinto, M Rosa, AF Diamantino, AP Soares. Caracterização do perfil da dadora de ovócitos de uma unidade de reprodução medicamente assistida em Lisboa, Portugal. (XXXVI Jornadas Internacionais de Medicina da Reprodução em Portugal. Sociedade Portuguesa de Medicina da Reprodução. Figueira da Foz, Portugal, 4 e 5 de May 2018);
- Poster** **C. Gasparinho**, F.S. Ferreira, A.C. Mayer, M.C. Mirante, S.V.Nery, A. Santos-Reis, D. Portugal-Calisto, M. Brito. Caracterização molecular de Giardia lamblia em crianças menores de cinco anos com diarreia atendidas no Hospital Gera do Bengo. (Conferência Científica Universidade Agostinho Neto. CCUAN 2017. 27 a 29 de September 2017).
- Poster** **C. Gasparinho**, A. Kanjungo, F. Zage, I. Clemente, A. Reis, M. Brito, F. Fortes, S. Centeno-Lima, L. Gonçalves. Caracterização do perfil sociodemográfico e nutricional de crianças com infecção por parasitas intestinais patogénicos avaliadas em 3 unidades de saúde da província do Bengo, Angola. (VII Jornadas Científicas do Instituto de Higiene e Medicina Tropical, Lisbon, Portugal. December 2016);
- Poster** **C. Gasparinho**, P. Silva, P. Nfumussuca, L. Ernesto, E. Vicente, C. Tchonhi, M. Brito. O Papel do Enfermeiro no Rastreo Neonatal da Doença das Células Falciformes no Hospital Geral do Bengo, Caxito, Província do Bengo, Angola. (III Congresso Internacional da Ordem dos Enfermeiros de Angola – 8 and 9, December 2016).
- Poster** **C. Gasparinho**, A. Kanjungo, F. Zage, I. Clemente, A. Reis, M. Brito, F. Fortes, S. Centeno-Lima, L. Gonçalves. The contribution of Health Care to reducing Chronic Malnutrition in Children between 2 and 5 years of age: a community case study of infection by intestinal parasites in Bengo Province, Angola. (XIX International Congress for Tropical Medicine and Malaria, Brisbane, Austrália, poster number 41, 18-22 September 2016)

- Poster** C. Gasparinho, A. Kanjungo, F. Zage, I. Clemente, A. Reis, M. Brito, F. Fortes, S. Centeno-Lima. Contribuição dos cuidados de saúde na redução da desnutrição crónica em crianças dos 2 aos 5 anos: estudo de caso comunitário das infeções por parasitas intestinais na província do Bengo, Angola. (VI Jornadas Científicas do Instituto de Higiene e Medicina Tropical, Lisbon, Portugal, December 2015).
- Oral** C. Gasparinho, M. C. Mirante, S. Centeno-Lima, C Istrate, AC Mayer, L Tavira, SV Nery, M Brito. Estudo dos Agentes causais de diarreia em crianças menores de 5 anos atendidas no Hospital Geral do Bengo, Angola (I Seminário CISA-CISM, Caxito-Angola: 28 September 2015);
- Oral** C. Gasparinho, S. Centeno-Lima. Contribuição dos cuidados de saúde na redução da desnutrição crónica em crianças dos 2 aos 5 anos: estudo de caso comunitário das infeções por parasitas intestinais na província do Bengo, Angola – resultados provisórios (Encontro Satélite Segurança Alimentar e Nutricional e Medicina Tropical: caminhos comuns na CPLP: 3º Congresso Nacional de Medicina Tropical, I Congresso Lusófono de Doenças Transmitidas por Vectores, Instituto de Higiene e Medicina Tropical, Lisboa, Portugal - April 2015);
- Poster** C. Gasparinho, A. Kanjungo, F. Zage, I. Clemente, A. Reis, M. Brito, F. Fortes, S. Centeno-Lima. Contribuição dos cuidados de saúde na redução da desnutrição crónica em crianças dos 2 aos 5 anos: estudo de caso comunitário das infeções por parasitas intestinais na província do Bengo, Angola. (V Jornadas Científicas do Instituto de Higiene e Medicina Tropical, Lisbon, Portugal, December 2014).
- Oral** C. Gasparinho, M. C. Mirante, S. Centeno-Lima, C Istrate, AC Mayer, L Tavira, SV Nery, M Brito Parasitoses intestinais em crianças menores de cinco anos admitidas por diarreia no Hospital Geral do Bengo, Angola. (2º Congresso da Clínica Girassol 2014, Centro de Convenções de Talatona, Luanda, Angola – 21 a 24 de October de 2014)
- Poster** C. Gasparinho, MC Mirante, S Lima, S Vaz-Nery, C Istrate, AC Mayer, M Brito. Aetiology of Diahrrhoea in children under five at the Bengo General Hospital, Angola (16th International Congress on Infectious Diseases, Cape Town, Africa, 2-5 de abril de 2014).
- Oral** C. Gasparinho, M. C. Mirante, S. Centeno-Lima, C Istrate, AC Mayer, L Tavira, SV Nery, M Brito Estudo dos agentes causais de diarreia em crianças menores de 5 anos no Hospital Geral do Bengo (2ªs Jornadas do Interno de Especialidade do Hospital Militar Principal/IS, Luanda, Angola, 10 a 14 de March de 2014);
- Oral** C. Gasparinho, M. C. Mirante, S. Centeno-Lima, C Istrate, AC Mayer, L Tavira, SV Nery, M Brito Estudo dos agentes causais de diarreia em crianças menores de 5 anos no Hospital Geral do Bengo (IX Congresso da Ordem dos Médicos em Angola, Luanda, Angola - 24 e 25 January 2014);
- Oral** C. Gasparinho, M. C. Mirante, S. Centeno-Lima, C Istrate, AC Mayer, L Tavira, SV Nery, M Brito Resultados preliminares do Estudo dos agentes causais da diarreia em crianças menores de 5 anos atendidas no Hospital Geral do Bengo, Angola (3ª Conferência Nacional sobre Ciência e Tecnologia: “A ciência, Tecnologia e Inovação ao serviço da sociedade”, September 2013);
- Oral** C. Gasparinho. Dores na Prisão – A outra dor (1ªs Jornadas de Enfermagem do Hospital Prisional São João de Deus subordinadas ao tema “Cuidar atrás Muros – da prevenção aos cuidados continuados”, Centro de Congressos do Tagus Park, Oeiras, Portugal, June 2008)
- Oral** C. Gasparinho, M. Serrão. Fatores que influenciam a reestruturação da família do doente de Alzheimer – perspectiva do cuidador (comemorações do 59º Aniversário da Escola Superior de Saúde da Cruz Vermelha Portuguesa no Centro de Congressos do Estoril, Portugal, November 2007);
- Oral** C. Gasparinho, M. Serrão. Factores que influenciam a reestruturação da família do doente de Alzheimer – perspectiva do cuidador (1ªs Jornadas de (Des)Envolvimento dos Jovens Enfermeiros da Secção Regional do Sul da Ordem dos Enfermeiros, Lisbon, September 2007).

PERSONAL SKILLS

- Profile** High performer and hard-working individual with leadership experience in Angola; ability to embrace new challenges, attention to details, analytical and problem-solving skills
- Language**
- **Portuguese:** Mother tongue
 - **English:** Fluent. Academic IELTS overall band score (7.0) and CEFR Level (C1): Listening (6.5); Reading (7.5); Writing (6.5); Speaking (7.0). 30/08/2018. Centre: PT008
 - **French:** Beginner
 - **Spanish:** Beginner
- Other skills** Proficient use of Microsoft Applications (Word, Excel, PowerPoint), IBM SPSS.
Proficient use of Internet applications.

REFERENCES AVAILABLE ON REQUEST